SERV. 8436

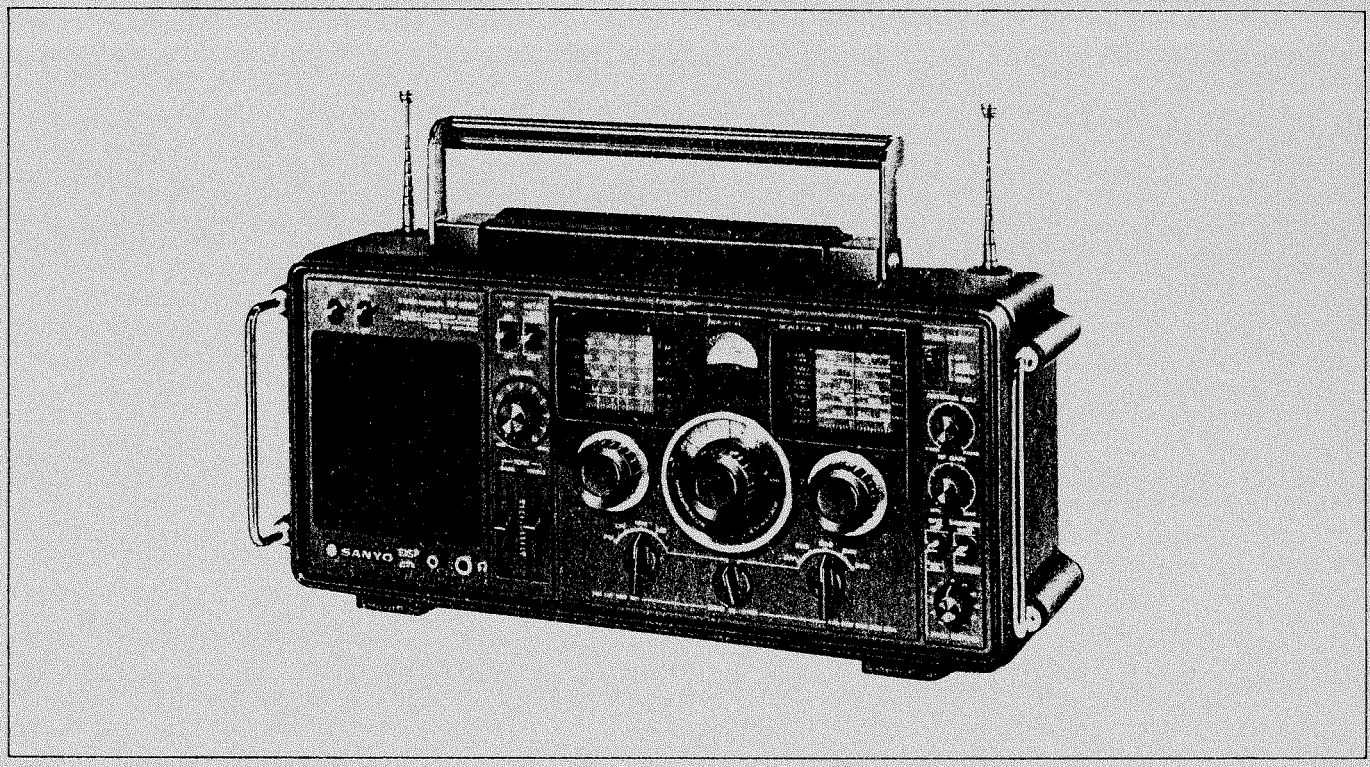
SERVICE MANUAL

PORTABLE RADIO

SANYO

RP 8880UM

(EUROPE)



SPECIFICATIONS

Frequency ranges:	FM	87.5 - 108 MHz	
	LW	150 - 405 kHz	
	MW	510 - 1605 kHz	
	MB	1.6 - 2.3 MHz	
	SW1	2.3 - 5.95 MHz	
	SW2	5.95 - 6.2 MHz	
	SW3	6.2 - 10.0 MHz	
	SW4	11.7 - 20.0 MHz	
	SW5	20.0 - 30.0 MHz	
Sensitivity	FM	4 μV	S/N=30dB
for 50mW output:	LW	158 μV/m	
	MW	31 μV/m	
LW/MW/MB/SW1-5:	MB	48 μV/m	S/N=6dB
	SW1	4.5 μV	
	SW2	3.1 μV	
	SW3	3.1 μV	
	SW4	3.1 μV	
	SW5	3.1 μV	

Inyermediate frequency:	MW	460 kHz
	FM	10.7 MHz
Output power:		
Maximum	4 W	
Undistorted	3 W	
Power source:	DC:	"D" x 8Ω 12V
	AC:	120/200/220/240V
		50/60 Hz
Current consumption:		
No signal	110 mA	
Speaker:	120 mm,	4 Ω
Dimensions:	475(W) x 243(H) x 147(D) mm	
Weight:		
without Batteries	4500 g	

Note: Specifications are subject to change without notice.

WM-2937

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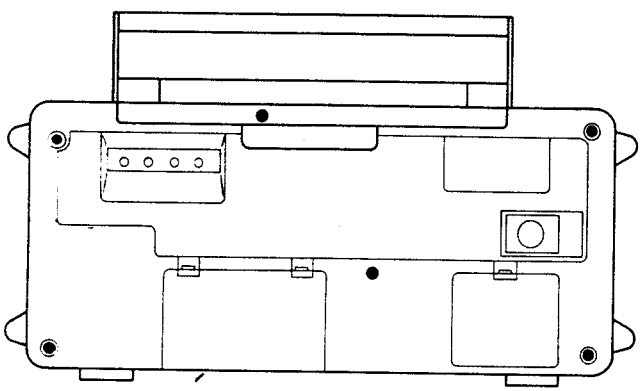
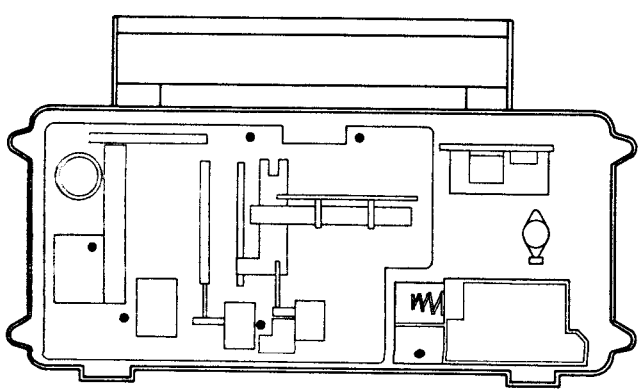
DISASSEMBLY OF CABINET AND CHASSIS

Cover the work bench with cushion pad for protecting the unit being serviced, be sure to unplug the power cord and take out the batteries before proceeding to the steps described below.

1. Place the unit on the work bench, front side down. Remove the six screws fastening the back lid.
2. Remove the knobs and dial (2-tuning control, BAND SPREAD dial BAND SELECTOR and 2-selection knobs, ANTENNA ADJ., RF GAIN, PITCH CONTROL, VOLUME, and 2-TONE control knobs.) without snap switchs (X-TAL MARKER, BAND WIDTH, BFO, METER TUNING, AFC, POWER, LIGHT)

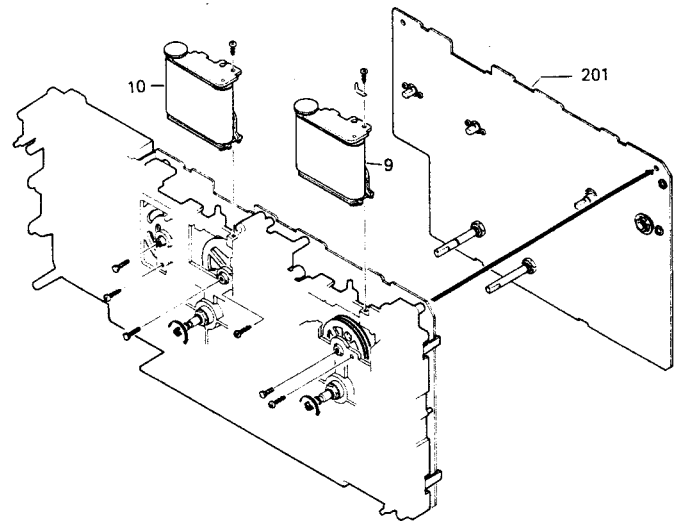


3. Detach the back lid from the cabinet after disconnecting it from the socket on the circuit bord.
4. Remove the six screws (red marked tappings ones) fastening the chassis.
5. Pull the chassis to the fore and lift it out of the cabinet.

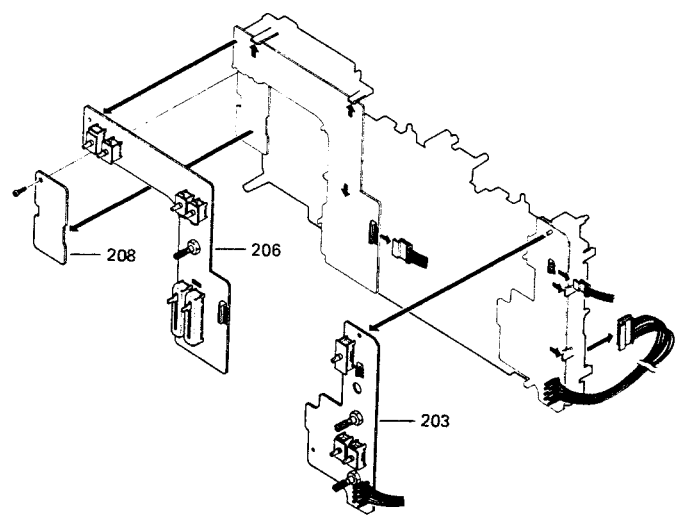


DISASSEMBLY OF P.C.B. AND INDICATOR

1. All P.C.B. mounting is latch set system.
2. Disconnect jumper lead connectors if necessary.
3. Cramp the drums to chassis with scrres.
4. Disassemble the 201 P.C.B. Assembly and dial indicator bracket. (9, 10)

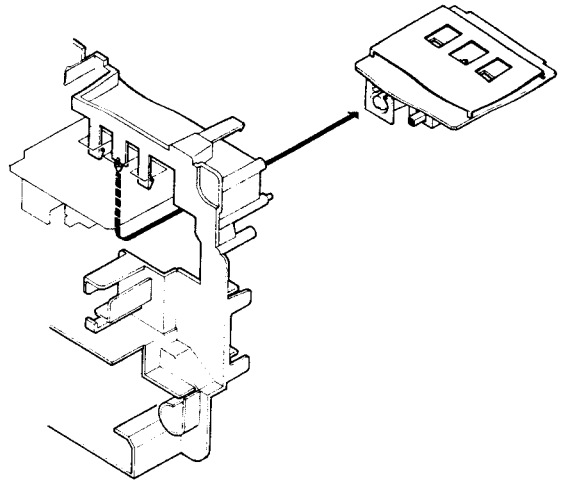


5. Disassemble the P.C.B. Assembly, 203, P.C.B. Assembly, 206 and P.C.B. Assembly 208.



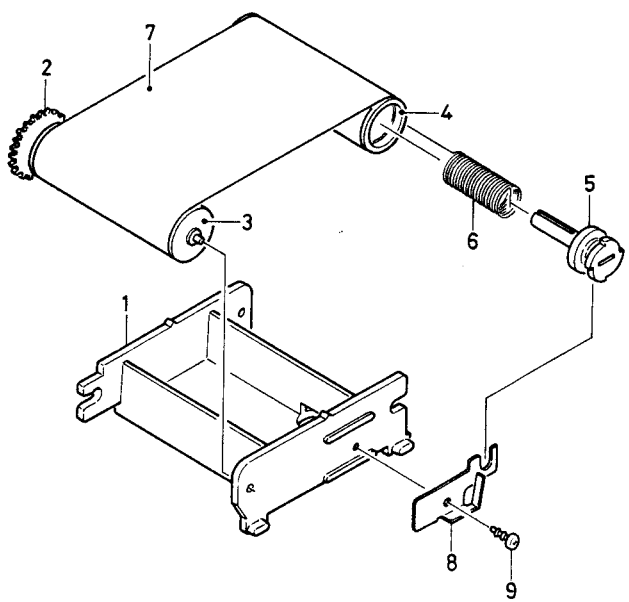
DISASSEMBLY OF P.C.B.

6. Disassemble the 207 P.C.B. Assembly.



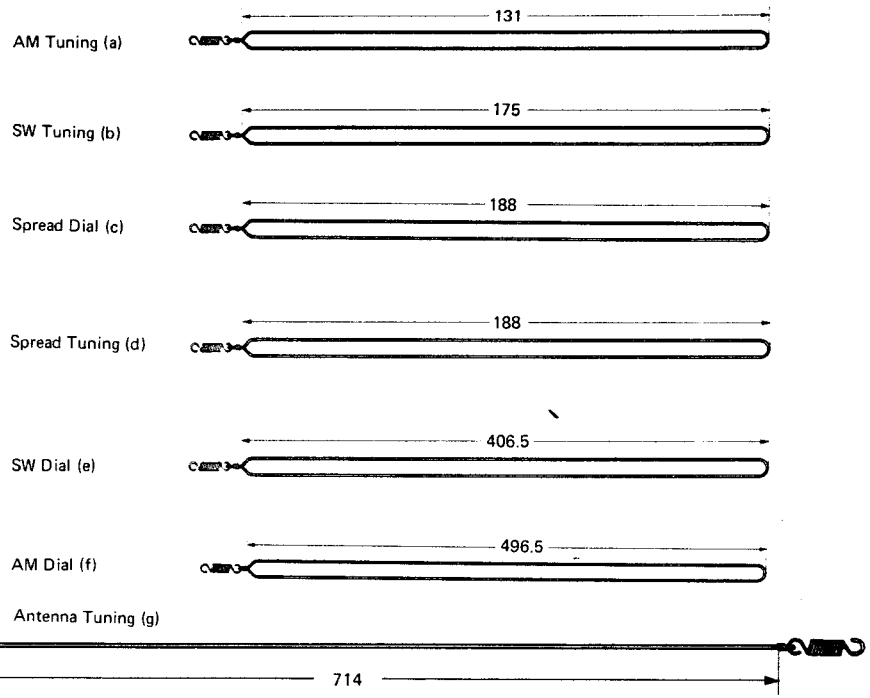
ASSEMBLY OF DIAL SCALE

1. Put the spring 6 and the gear (5) into the drum (4).
2. Mount the drum to bracket (1) and spring plate (8).
3. Fix the shaft (3) after turning the gears (5) about 6 clockwise turns.
4. Turn the gear another 3-½ turns with a screwdriver.

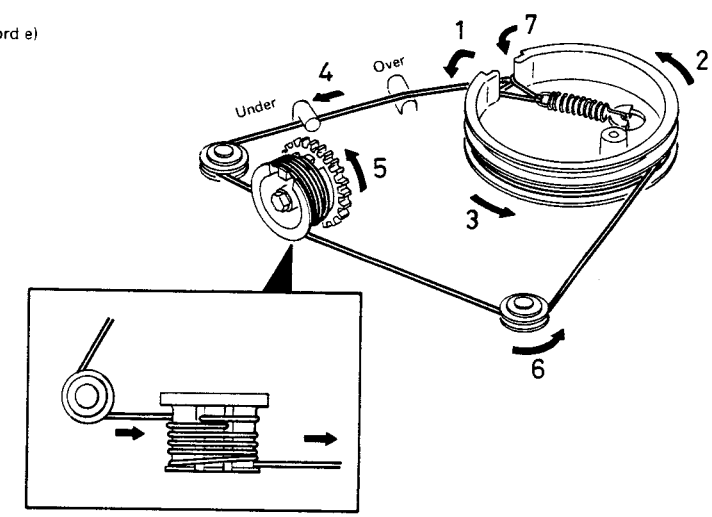


DIAL CORD STRINGING

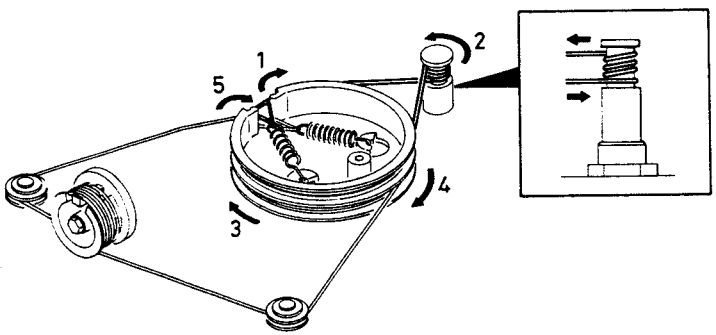
1. Prepare dial cords and tension springs as shown below.



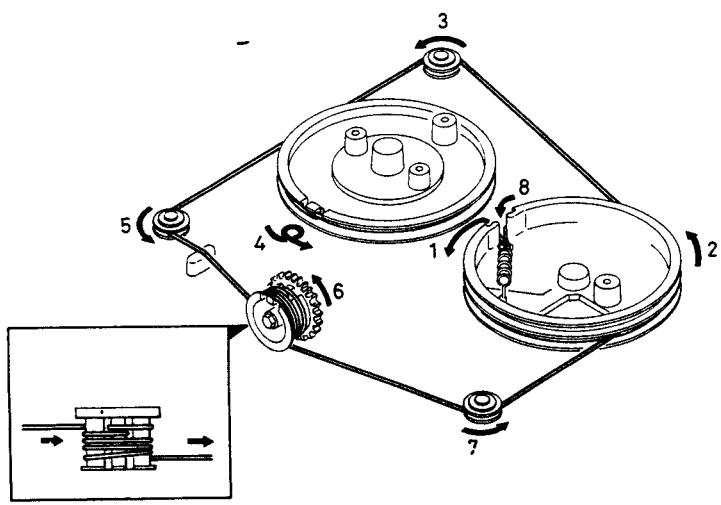
2. SW Dial (Cord e)



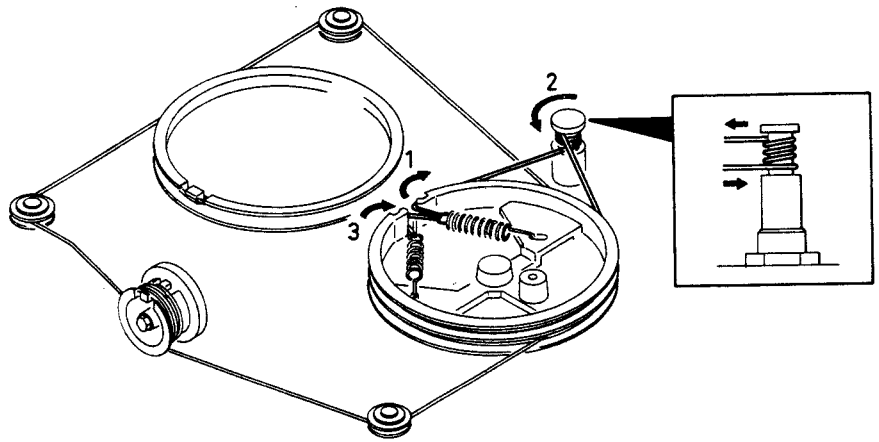
3. SW Tuning (Cord b)



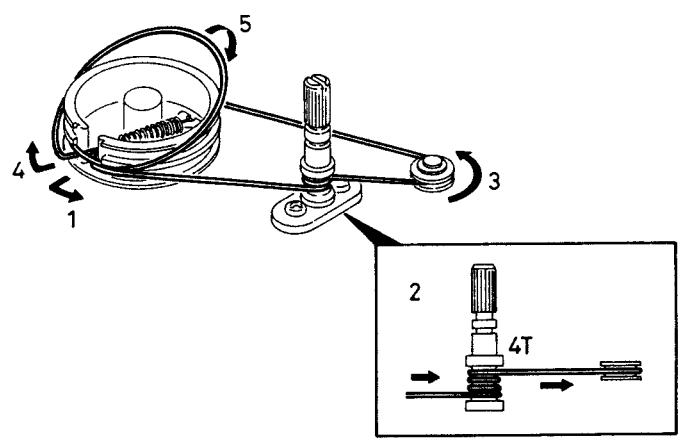
4. AM Dial (Cord f)



5. AM Tuning (Cord a)

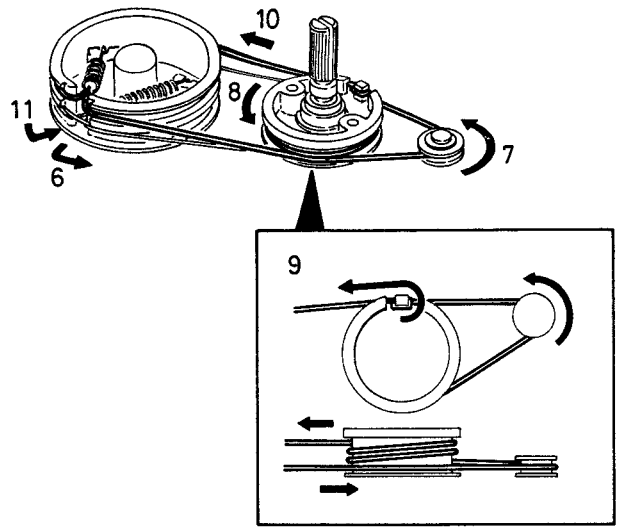


6. Spread Dial (Cord c)



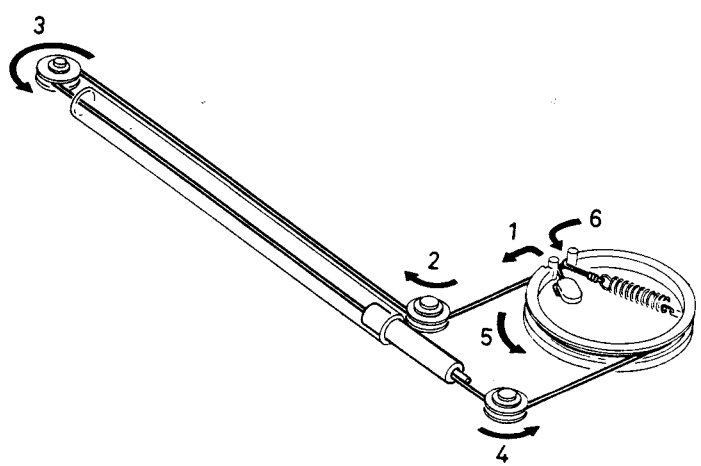
DIAL CORD STRINGING

7. Spread Tuning (Cord d)



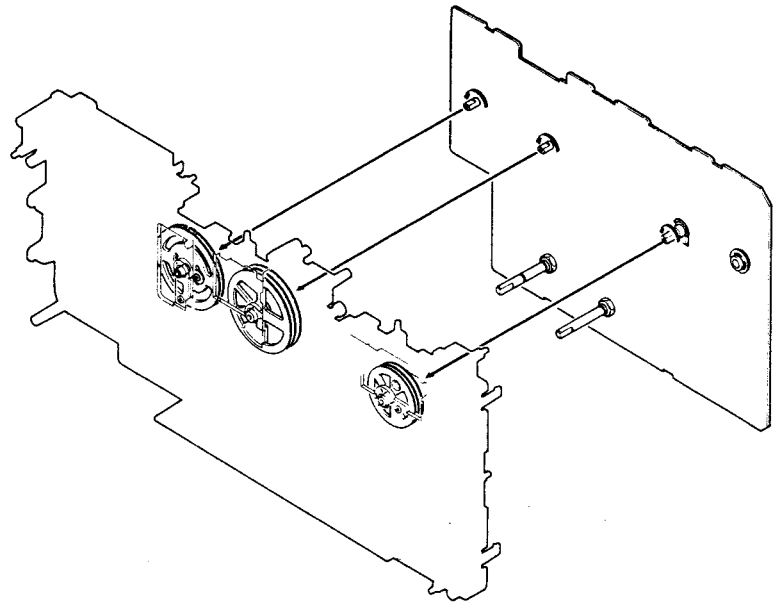
8. Antenna Adj. (Cord g)

1. Through dial cord to the core.
2. Set the adjusting screw on the drum to near center position.
3. Fook the rope end to the drum and thread the cord as shown by starting from No. 1 through No. 6.
4. Fasten the core at left side of antenna bobbin with a stuffing toothpic.
5. Settle the more fidily with a adjusting screw.

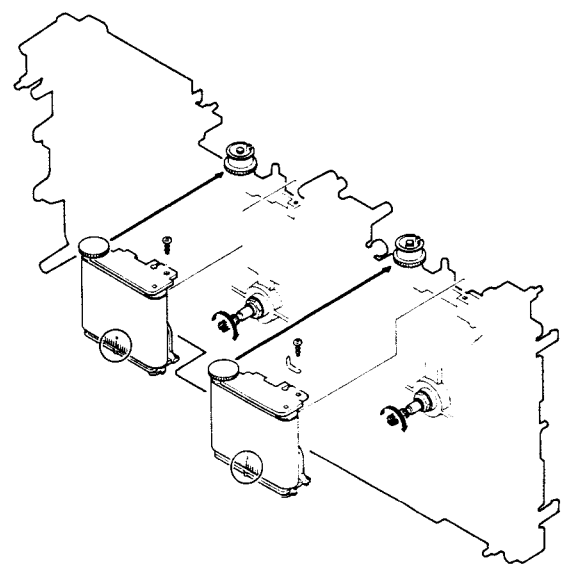


MOUNTING P.C.B. AND DIAL SCALE

1. Mount the drum on the tuning capacitor shaft with its shafts rotated fully counter-clockwise.

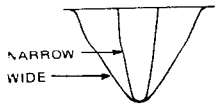


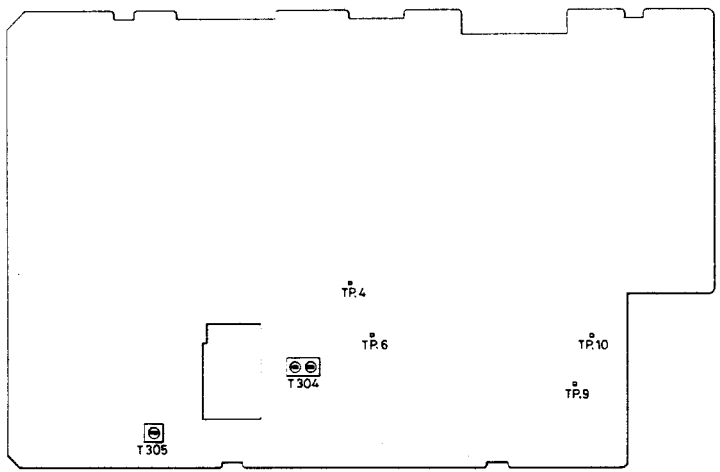
2. Turn the tuning shaft fully counter-clockwise and adjust the zero point (on the dial scale) at the projected mark (on the bracket) by rolling the dial scale. Then, mount the dial scale and the bracket on the chassis with a screw after engaging the gears of both the dial scale and the chassis with each other.



1. AM IF (455 kHz)

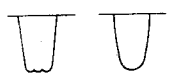
Input TP. 4 H TP. 6 G
Output TP. 9 H TP. 10 G
Ceramic Filter Center
Adj. T. 304, T-305.

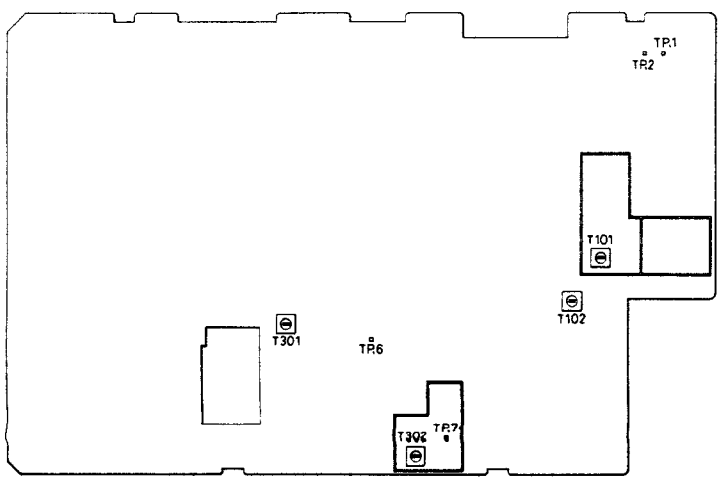




2. FM IF (10.7 MHz)

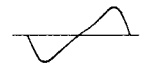
Input TP. 1 H TP. 2 G
Output TP. 7 H TP. 6 G
Adj. T.101, 102, 301, 302
Ceramic Filter Center

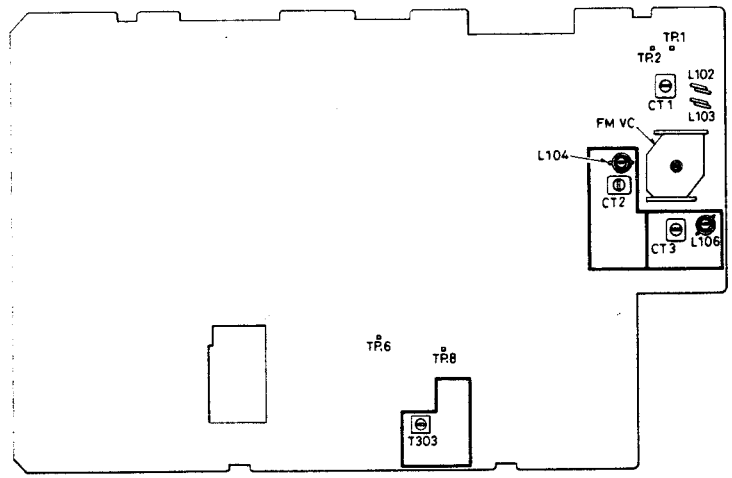




3. FM S CURVE

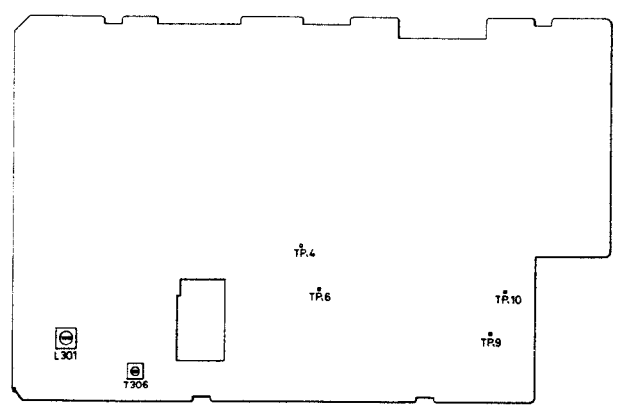
Input TP. 1 H TP. 2 G
Output TP. 8 H TP. 6 G
Adj. T. 303

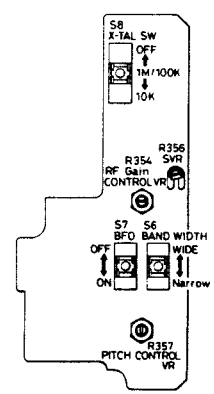




4. B.F.O. AND X-TAL MARKER

Input TP. 4 H TP. 6 G
Output TP. 9 H TP. 10 G
Adj. 1st. L. 301 "O" Beat
2nd T. 306 Maximum (Near 1 kHz)
3rd B.F.O. Switch Off
4th X-TAL Switch On (1M/100K)
5th SVR R. 356 "O" Beat

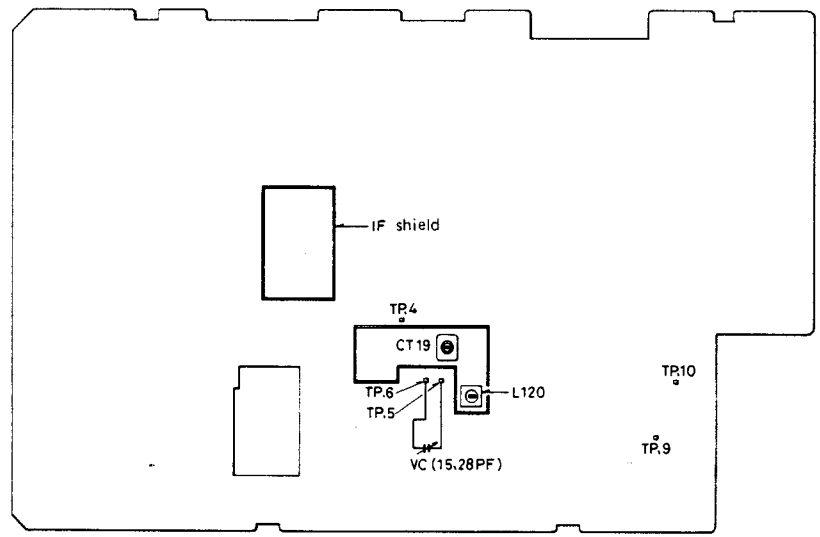




5. SW #2 LOCAL COVER

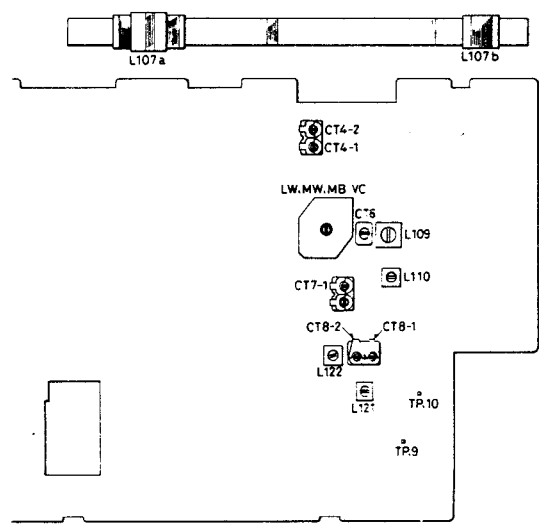
Connect VC (Max 15.28pF) for TP5, TP6.

Input	TP.4 H	IF shield
Output	TP.9 H	TP.10 G
Antena	18PF Pad	
Cover	Low 10.67 MHz	L, 120
	High 10.83 MHz	CT. 19



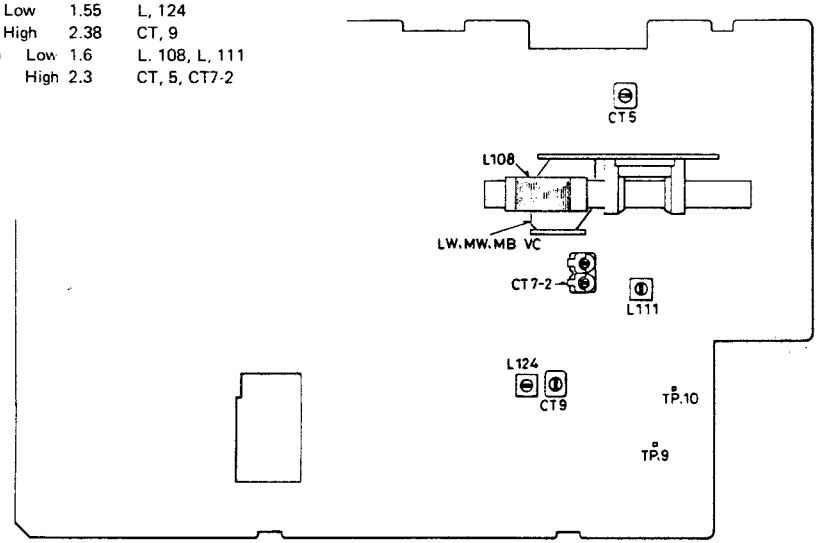
6. MW, LW COVER AND TRACKING

			LW	MW
		Low [MHz]	0.150	0.510
		High [MHz]	0.405	1.605
Cover	L	E [MHz]	0.145	0.505
		L NO	L121	L122
	H	F [MHz]	0.415	1.670
		CT NO	CT8-1	CT8-2
Tracking	L	F [MHz]	0.160	0.600
		L NO	L107a L109	L107b L110
	H	F [MHz]	0.370	1.400
		CT NO	CT4-1 CT-6	CT4-1 CT7-1
TP		Input	L107	L107
		Output	TP9 H TP10 G	TP9 H TP10 G
Antenna			roop	roop



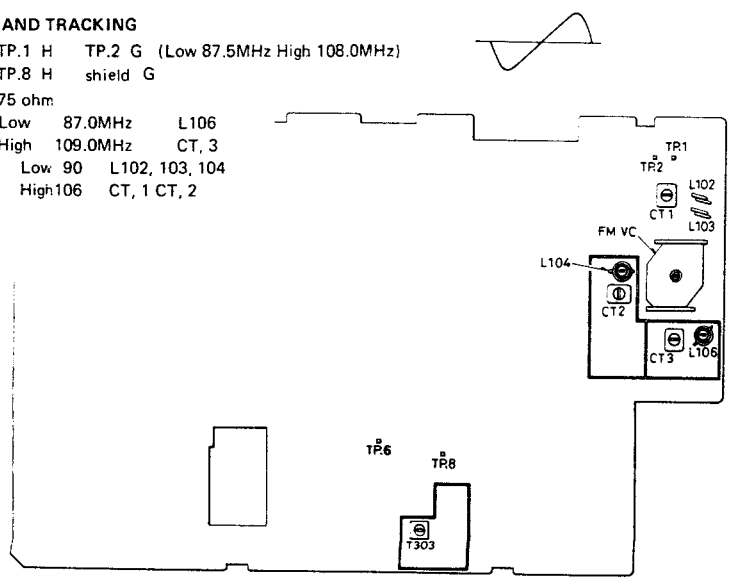
7. MB COVER AND TRACKING

Input L.108 (Low 1.6MHz High 2.3MHz)
Output TP.9 H TP.10 G
Antena Loop
Cover Low 1.55 L, 124
High 2.38 CT, 9
Tracking Low 1.6 L. 108, L, 111
High 2.3 CT, 5, CT7-2



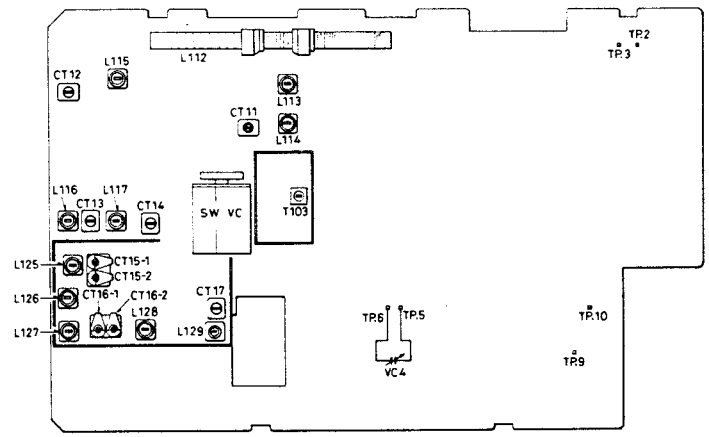
8. FM COVER AND TRACKING

Input TP.1 H TP.2 G (Low 87.5MHz High 108.0MHz)
Output TP.8 H shield G
Antena 75 ohm
Cover Low 87.0MHz L106
High 109.0MHz CT, 3
Tracking Low 90 L102, 103, 104
High106 CT, 1 CT, 2



9. SW COVER AND TRACKING

Inspect to before alignment BAND SPREAD DIAL "0" and CALIB to center

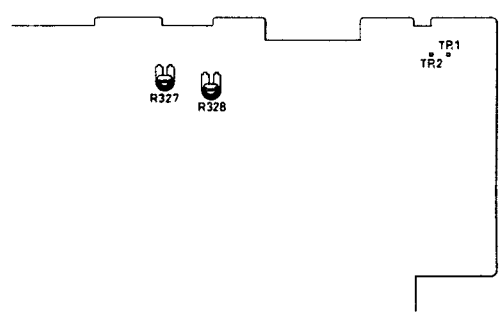


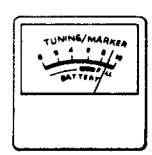
	Low [MHz]	High [MHz]	L		H	
			F [MHz]	L NO	F [MHz]	CT NO
SW1	2.3	5.95	2.2	L125	6.3	CT15-1
SW2	5.9	6.2	5.9	L126	6.25	CT15-2
SW3	6.2	10.0	5.9	L127	10.4	CT16-1
SW4	11.7	20.0	11.3	L128	20.5	CT16-2
SW5	20.0	30.0	19.5	L129	30.5	CT-17

	L		H		INPUT	OUTPUT	ANTENNA
	F [MHz]	L NO	F [MHz]	CT NO			
SW1	2.5	L113	5.5		TP.3 H	TP.9 H	18PF
					TP.2 G	TP.10 G	
SW2	6.95	L114	6.2	CT-11	TP.3 H	TP.9 H	18PF
					TP.2 G	TP.10 G	
SW3	6.5	L115	9.5	CT-12	TP.3 H	TP.9 H	18PF
					TP.2 G	TP.10 G	
SW4	12.5	L116	18.5	CT-13	TP.3 H	TP.9 H	18PF
					TP.2 G	TP.10 G	
SW5	21.0	L117	27.0	CT-14	TP.3 H	TP.9 H	18PF
					TP.2 G	TP10 G	

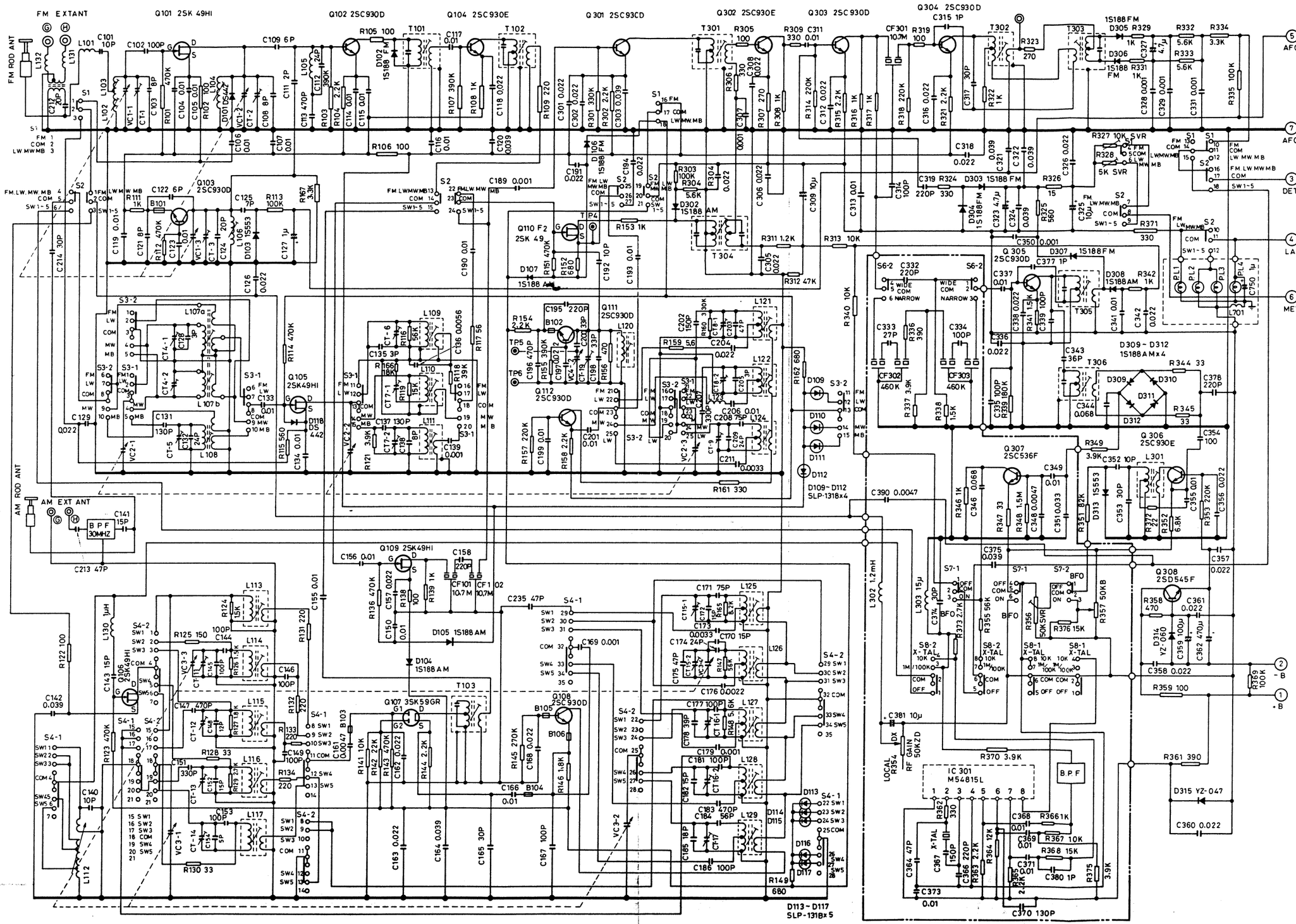
10. AM, FM METER

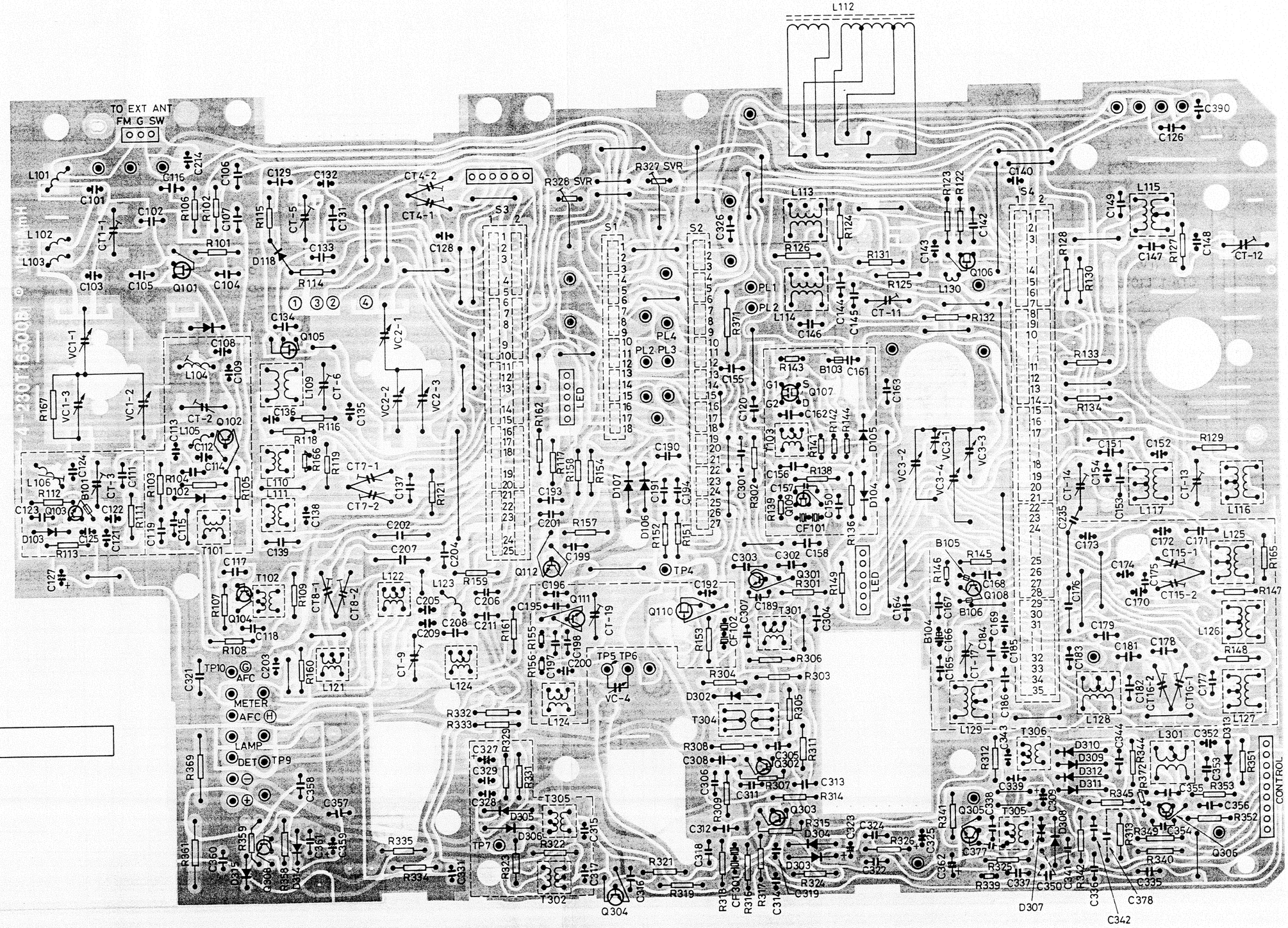
AM Input TP.1 H TP.2 G (100db) R.327 measure "9"
FM Input TP.1 H TP.2 G (100db) R.328 measure "9"





SCHEMATIC DIAGRAM (TUNER)




TO EXT ANT
FM G SW
L112
C390
C126
L101
C101
C214
C115
C106
C129
C132
CT4-2
CT4-1
R327 SVR
R328 SVR
L113
C140
S4
L115
C149
L102
L103
C102
R106
R102
C107
CT1-1
R101
R115
CT-5
C131
C133
D118
R114
C128
S3
S1
S2
C326
R123
R122
C142
R124
R126
R131
C143
Q106
C103
C105
Q101
C104
C134
Q105
VC2-1
VC2-2
VC2-3
R162
LED
PL1
PL2
L114
C146
C144
C145
CT-11
R125
L130
R132
PL4
PL2 PL3
R371
C155
R143
B103
C161
C163
G1
S
Q107
D
G2
C162
C120
C190
R128
R130
R127
C147
C148
CT-12
R133
R134
C151
C152
R129
C154
CT-14
CT-13
L117
L116
C153
VC3-4
VC3-1
VC3-3
VC3-2
C235
C173
C172
C171
L125
R165
C174
CT15-1
CT15-2
C175
C170
R147
L126
R148
C179
C181
C178
C183
C182
CT16-2
CT16-1
C177
L128
L127
C176
B104
C165
C166
CT-17
C184
C185
C186
L129
C167
B106
R146
R145
C168
Q108
C169
B105
C164
R149
LED
C303
C302
C158
Q301
R301
C189
T301
C304
R306
R303
R304
D302
T304
R305
R308
C308
C305
Q302
R311
C306
C309
C311
R307
C313
R314
C312
Q303
R315
D304
C323
C324
R326
C325
C362
R341
C377
C338
Q305
T305
C339
R312
C343
T306
D310
D309
D312
D311
R345
C344
R372
R344
L301
C352
C353
D313
R351
C355
R353
C356
R352
C354
R343
R340
C335
C378
C342
C336
C337
C350
C341
R342
R339
R325
D307
D308
C309
R313
R321
C318
R318
CF301
R316
R317
C314
C315
R310
R319
C316
Q304
R324
C319
D303
C322
C317
T302
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R322
C327
C329
C328
R329
R331
T305
D305
D306
TP7
R335
R334
C331
R332
R333
C321
TP10
AFC
C203
METER
AFC
LAMP
DET
TP9
R369
C358
C357
C361
C359
R361
C360
R359
R358
D314
D315
Q308
L121
R160
C202
C207
C204
C122
C111
C124
B101
CT-3
R112
L106
C123
D103
R113
C125
C121
R111
C119
R103
R104
C115
D102
R105
T101
C113
L105
C112
CT-2
Q102
C114
C108
L104
C109
VC1-1
VC1-3
VC1-2
R167
L108 (MB ANT)
C127
C117
T102
R107
Q104
R108
C118
R109
CT8-1
CT8-2
L122
L123
R159
C205
C206
C208
C209
C211
CT-9
L124
R161
C196
C195
Q111
CT-19
C197
C198
C200
R156
R155
TP5
TP6
VC-4
L124
C192
Q110
TP4
Q112
C199
C201
R157
R117
R158
R154
C193
D107
D106
C191
C194
R152
R151
C190
R153
CF102
C307
C301
R302
R139
Q309
CF101
R138
C156
C157
C150
R136
D105
D104
R147
R141
R143
R144
R142
C103
C301
C156
C157
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CF101
R138
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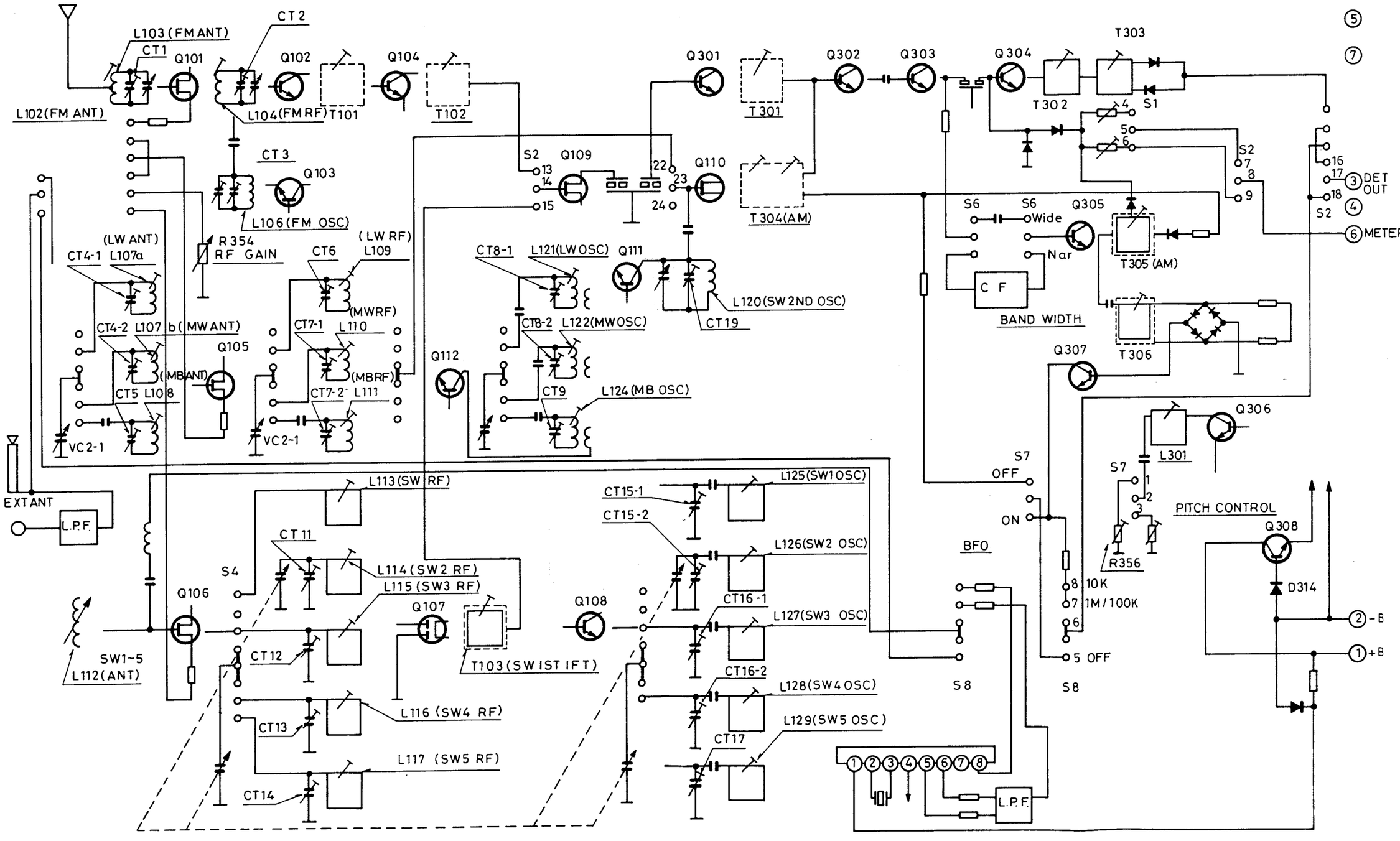
R136
D105
D104
VC3-2
VC3-4
VC3-1
VC3-3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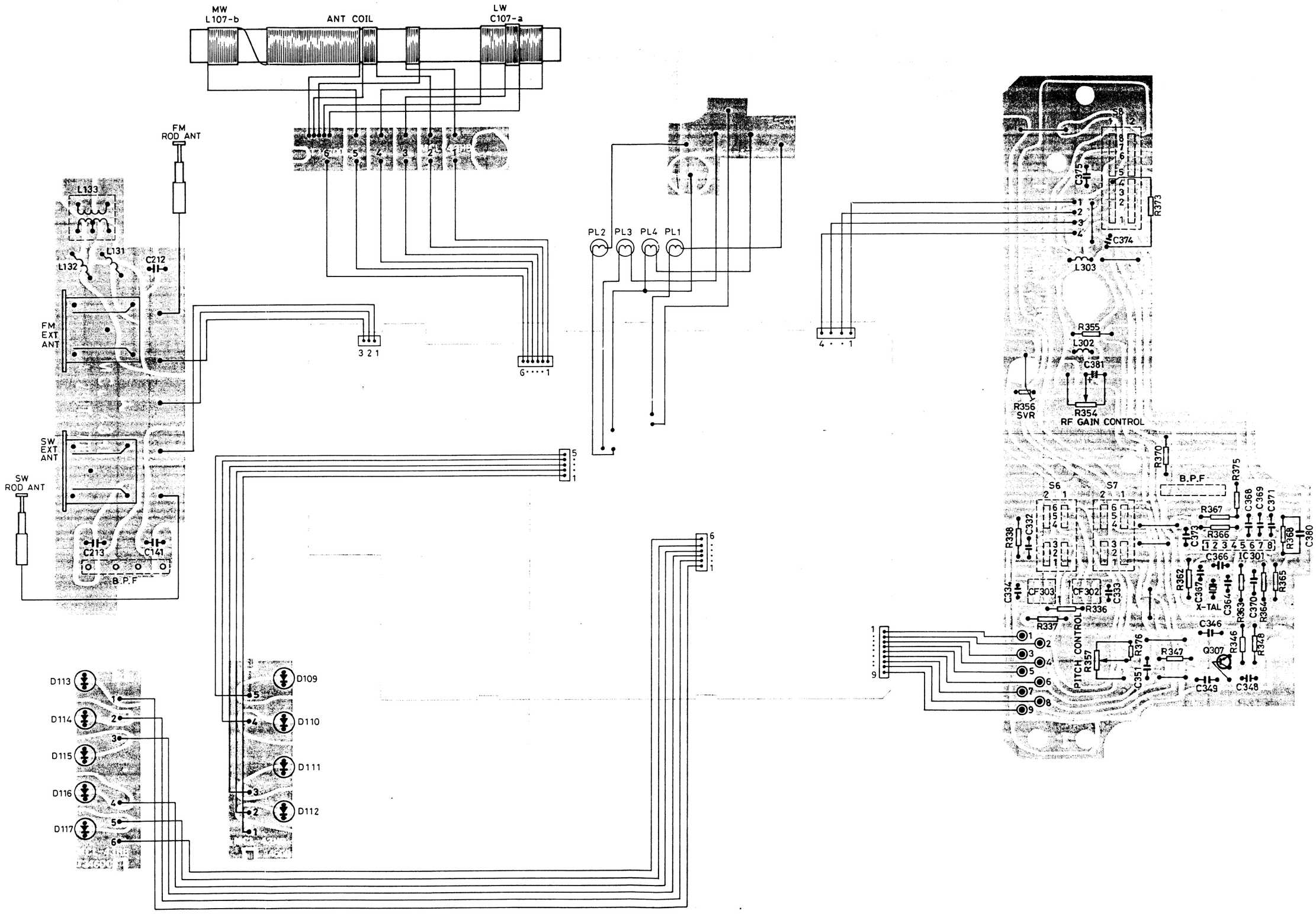
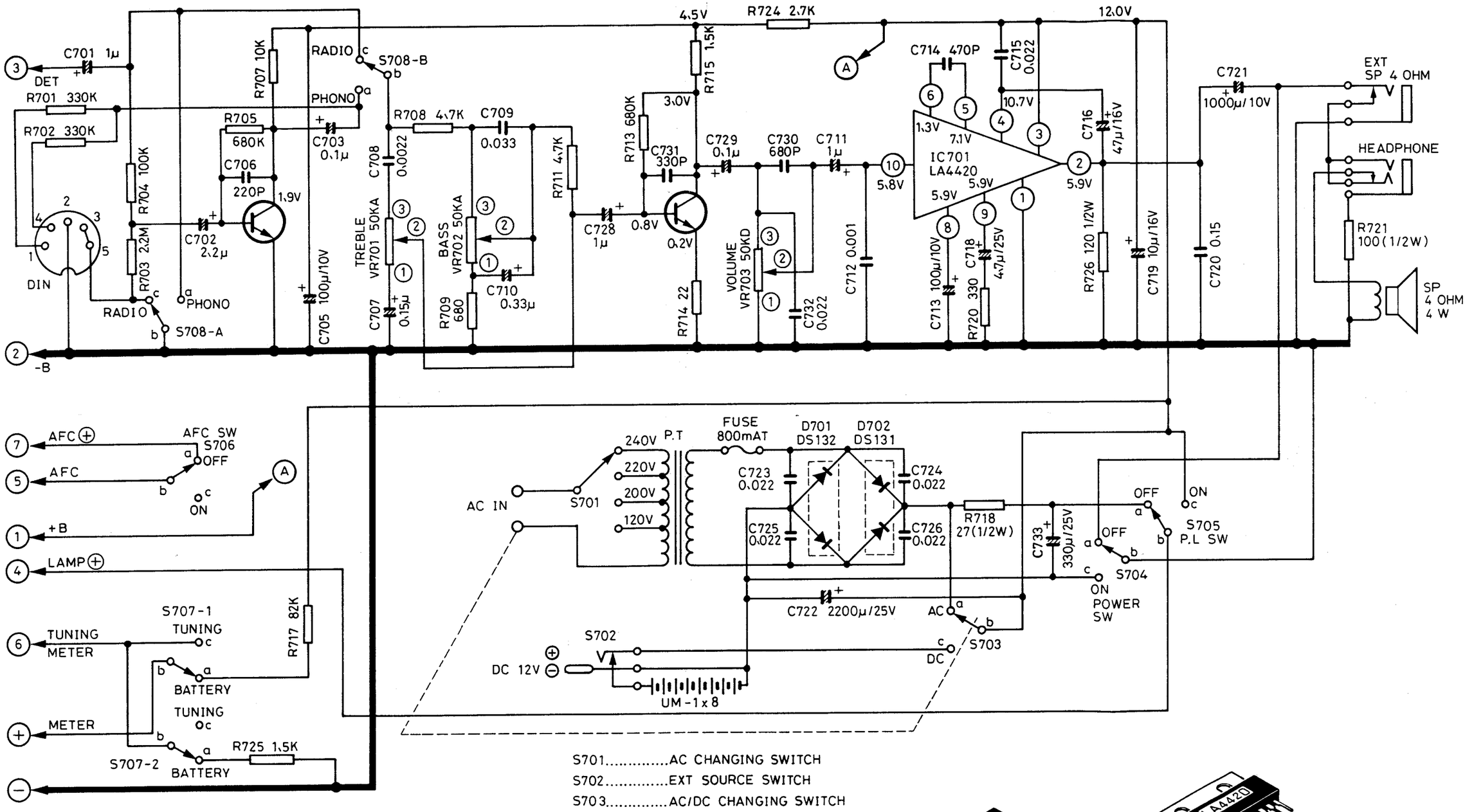
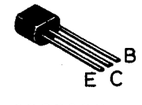
CT1
Q101
CT2
Q102
Q104
L102 (FM ANT)
L104 (FM RF)
T101
T102
CT3
Q103
L106 (FM OSC)
R354
RF GAIN
(LW ANT)
CT4-1 L107a
CT6
(LW RF)
L109
(MW RF)
CT4-2 L107b (MW ANT)
CT7-1 L110
Q105
(MB ANT)
(MB RF)
CT5 L108
CT7-2 L111
VC2-1
VC2-1
EXT ANT
L.P.F.
L113 (SW RF)
CT11
S4
L114 (SW2 RF)
L115 (SW3 RF)
Q106
Q107
T103 (SW IST IFT)
CT12
L116 (SW4 RF)
CT13
L117 (SW5 RF)
CT14
SW1~5
L112 (ANT)
S2
Q109
Q110
T304 (AM)
CT8-1
L121 (LW OSC)
Q111
L120 (SW 2ND OSC)
CT19
CT8-2
L122 (MW OSC)
Q112
CT9
L124 (MB OSC)
Q108
CT15-1
CT15-2
L125 (SW1 OSC)
L126 (SW2 OSC)
CT16-1
L127 (SW3 OSC)
CT16-2
L128 (SW4 OSC)
CT17
L129 (SW5 OSC)
Q301
T301
Q302
Q303
Q304
T303
T302
S1
S2
S6
S6
Wide
Nar
Q305
T305 (AM)
C F
BAND WIDTH
T306
Q307
Q306
L301
S7
OFF
ON
S7
PITCH CONTROL
R356
Q308
D314
BFO
8 10K
7 1M/100K
6
5 OFF
S8
S8
L.P.F.
DET OUT
METER
-B
+B


MW
L107-b
ANT COIL
LW
C107-a
FM
ROD ANT
L133
L132
L131
C212
FM
EXT
ANT
SW
EXT
ANT
SW
ROD ANT
C213
C141
B.P.F
3 2 1
6····1
5
1
PL2 PL3 PL4 PL1
4 · · 1
6
1
D113
D114
D115
D116
D117
D109
D110
D111
D112
C375
R373
C374
L303
R355
L302
C381
R356
SVR
R354
RF GAIN CONTROL
R370
B.P.F
R375
S6
S7
R367
C368
C369
C371
R338
C332
C373
R366
R368
C380
C366
IC301
R362
C367
X-TAL
C364
R363
C370
R364
R365
C334
CF303
CF302
C333
R336
R337
C346
PITCH CONTROL
R357
R376
R347
Q307
R346
R328
C351
C349
C348
1
9



S701.....AC CHANGING SWITCH
S702.....EXT SOURCE SWITCH
S703.....AC/DC CHANGING SWITCH
S704.....POWER SWITCH
S705.....PILOT LAMP SWITCH
S706.....AFC ON/OFF SWITCH
S707-1～2.....BATTERY/TUNING SWITCH
S708.....PHONO/RADIO SWITCH



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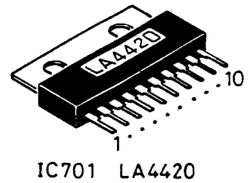
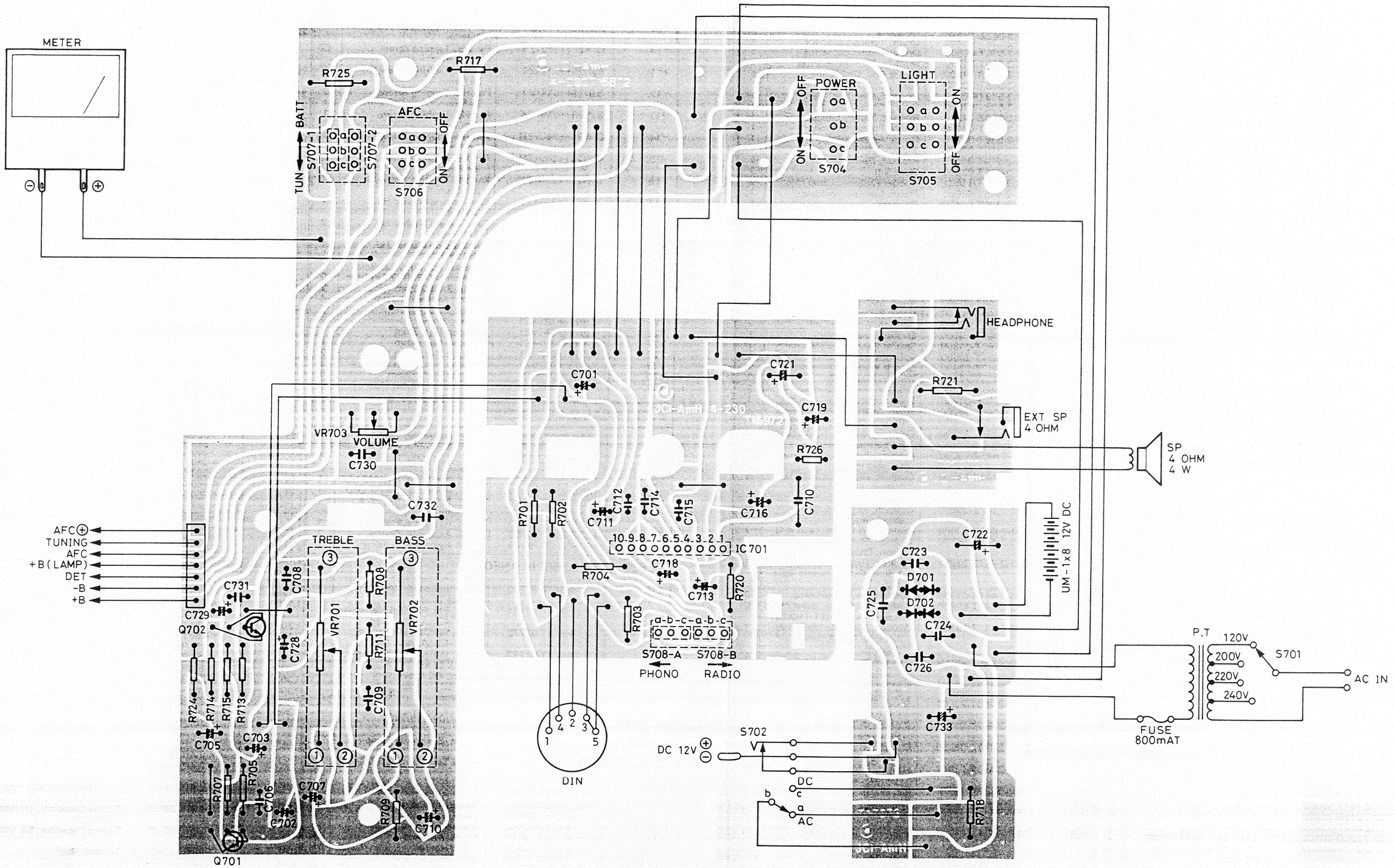


IC701 LA4420

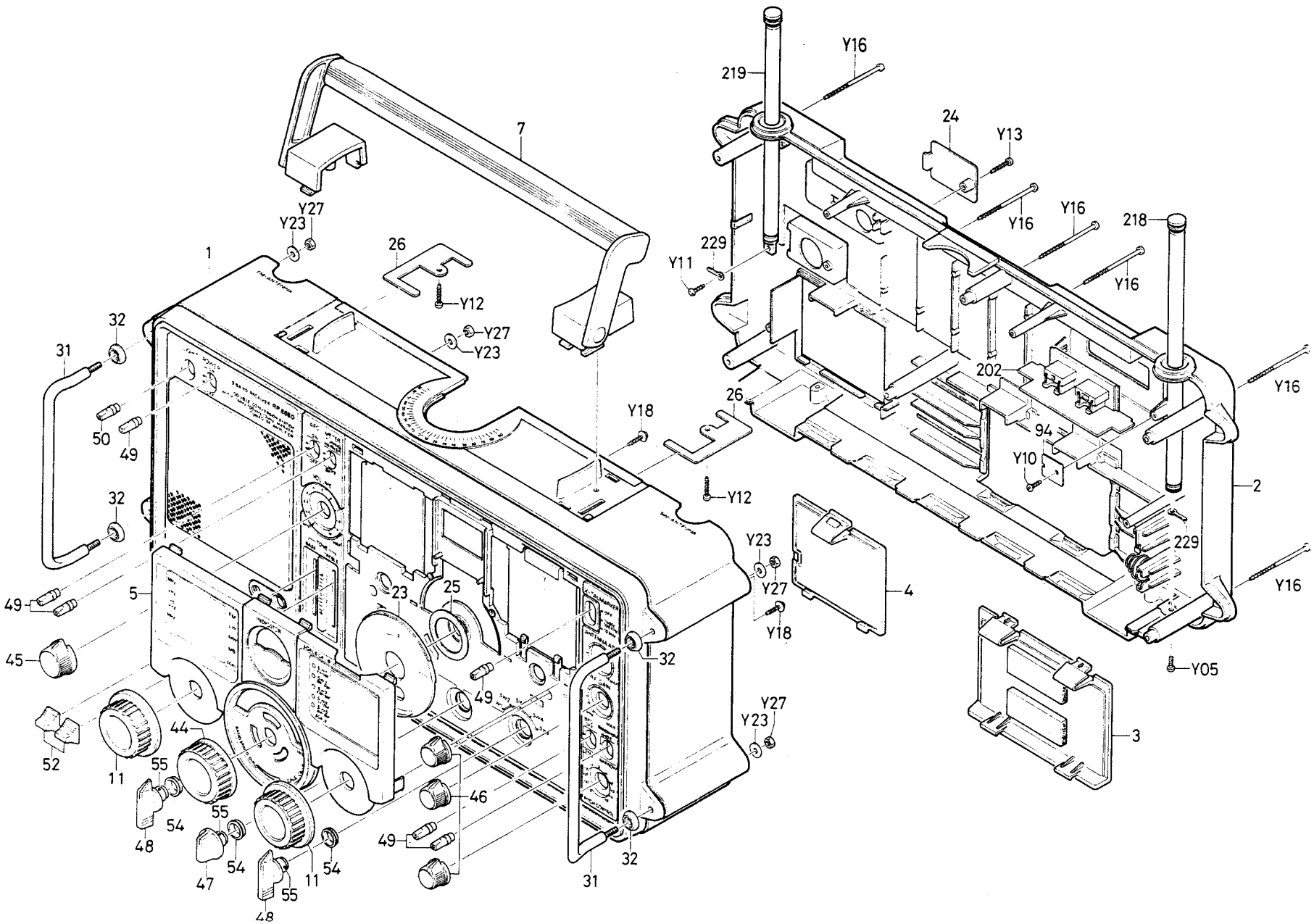

METER
R725
R717
BATT
TUN
S707-1
S707-2
AFC
OFF
ON
S706
POWER
OFF
ON
S704
LIGHT
ON
OFF
S705
HEADPHONE
C701
C721
C719
R721
EXT SP
4 OHM
SP
4 OHM
4 W
VR703
VOLUME
C730
C732
R726
C710
R701
R702
C711
C712
C714
C715
C716
10-9-8-7-6-5-4-3-2-1
IC 701
C722
C723
D701
D702
C725
C724
C726
UM-1x8 12V DC
AFC⊕
TUNING
AFC
+B(LAMP)
DET
-B
+B
TREBLE
BASS
C731
C708
R708
VR701
VR702
C729
Q702
C728
R711
C709
R724
R714
R715
R713
C705
C703
R705
R707
C706
C702
C707
R709
C710
Q701
R704
C718
C713
R720
R703
a-b-c-a-b-c
S708-A
S708-B
PHONO
RADIO
DIN
1
4
2
3
5
DC 12V⊕
⊖
S702
DC
c
b
a
AC
C733
R718
P.T
120V
200V
220V
240V
S701
AC IN
FUSE
800mAT

Ref. No.	Part No.	Description	Q'ty
PACKING			
	141-6-141T-10404	Individual Carton	1
	141-6-144T-42600	Pad, Top	1
	141-6-144T-42400	Pad, Right	1
	141-6-144T-42500	Pad, Left	1
	141-6-410T-00104	Instruction Manual	1
	141-6-410T-00105	Instruction Manual	1
	141-6-410T-00106	Instruction Manual	1
	141-6-231T-45900	Polyethylene Bag, Set	1
	141-6-231T-10200	Polyethylene Bag, Cord	1
	141-6-316T-91100	Pad, Individual Carton	1
CABINET & CHASSIS			
1	141-9-111T-10000	Cabinet Assembly	1
2	141-9-126T-09304	Back Lid Assembly	1
3	141-0-128T-03200	Battery Lid Assembly	1
4	141-9-133T-01100	Compartment Lid Assembly	1
5	141-9-122T-08400	Front Panel Assembly	1
6	141-0-163T-14800	Rotary Knob Assembly, SW	1
7	141-9-171T-00100	Handle Assembly,with Bracket	1
8	141-9-369T-00100	Bracket Coil Assembly, Gyro Antenna	1
9	141-9-210T-00100	Bracket Assembly, Dial Mechanism,FM/LW/MW/MB	1
10	141-9-210T-00200	Bracket Assembly Dial Mechanism, SW1-SW5	1
11	141-0-163T-14100	Rotary Knob Assembly, TUNING	2
12	141-9-311T-06300	Chassis Assembly	1
13	141-9-210T-00300	Bracket Assembly	1
14	141-9-331T-00200	Holder, Battery Assembly	1
15	141-0-566T-04400	Tuning Shaft Assembly, AM	1
16	141-0-566T-04700	Tuning Shaft Assembly, SW	1
17	141-0-566T-04500	Tuning Shaft Assembly	1
18	141-0-566T-04500	Tuning Shaft Assembly	1
21	141-2-511T-10500	Pointer, AM/FM	1
22	141-2-511T-10600	Pointer, SW1-SW5	1
23	141-2-511T-10700	Pointer, Spread Dial	1
24	141-2-132T-03800	Sign Window, Voltage Selector	1
25	141-2-447T-06100	Cushion, Cabinet mtg.	1
26	141-2-271T-13700	Bracket Handle	2
27	141-2-174T-05300	Stand	2
28	141-2-210T-04100	Bracket, Stand mtg.	2
29	141-2-163T-39500	Rotary Knob, Stand	2
30	141-2-855T-12700	Spring Coil, Stand	2
31	141-2-171T-12500	Handle, Front	2
32	141-2-271T-13900	Bracket Handle	4
33	141-2-369T-05000	Bracket Coil, Gyro Antenna	1
34	141-2-210T-04200	Bracket, Gyro Antenna	1
35	141-2-210T-04200	Bracket, Gyro Antenna	1
36	141-2-753T-18600	Shaft, Gyro Antenna	1
37	141-2-537T-07100	Bearing, Gyro Antenna	1
38	141-2-457T-11700	Special Washer, Gyro Antenna	1
39	141-2-855T-12800	Spring Coil, Gyro Antenna	1
40	141-2-345T-00100	Stell Ball, 1/8 inch	1
41	123-2-481R-15400	Spring Coil, Gyro Antenna	1
42	141-2-146T-12700	Dial Scale, Spread Dial	1
43	141-2-530T-00100	Guide, Rope, SW	1
44	141-2-163T-40600	Rotary Knob, Spread Dial Tuning	1
45	141-2-163T-40200	Rotary Knob, Volume	1
46	141-2-163T-40300	Rotary Knob, Antenna Adj/ RF Gain/Pitch Control	3
47	141-2-163T-40400	Rotary Knob, Band Selector	1
48	141-2-163T-40500	Rotary Knob, AM & FM/SW	2
49	141-2-162T-12300	Lever Knob, POWER/AFC/ METER/X-TAL MARKER/ BFO/BANDWIDTH	6
50	141-2-162T-12301	Lever Knob, LIGHT	1
51	141-2-246T-06900	Sheet, X-TAL MARKER	1
52	144-2-164T-19000	Slide Knob, TONE	2
53	123-2-246R-15600	Sheet, Lever Knob	6
54	141-2-352T-10300	Spacer, Cabinet mtg.	3
55	123-2-262R-10100	Bracket Knob, Band Switch	3
56	141-2-210T-04500	Bracket, FM/LW/MW/MB LED mtg.	1
57	141-2-210T-04600	Bracket, SW1-SW5 LED mtg.	1
58	141-2-538T-06600	Drum, Dial Rope, Chassis mtg.	2
59	141-2-567T-01700	Pulley Shaft, Drum	2

Ref. No.	Part No.	Description	Q'ty
CABINET & CHASSIS			
60	141-2-411T-05300	Plate Nut	2
61	141-2-538T-05700	Drum, Tuning Capacitor	1
62	141-2-538T-05800	Drum, Tuning Capacitor	1
63	141-2-210T-04700	Bracket, Tuning Capacitor	1
64	123-2-481R-11800	Spring Coil, Dial Rope	6
65	141-2-855T-22200	Spring Coil, Antenna Adj	1
66	141-2-538T-06900	Drum, Spread Dial, Large	1
67	141-2-538T-07000	Drum, Spread Dial, Small	1
68	141-2-310T-04300	Bracket, Tuning Capacitor	1
69	141-2-538T-07100	Drum, Tuning Capacitor	1
70	141-2-538T-07200	Drum, Antenna Adj	1
71	141-2-210T-04800	Bracket, Antenna Adj	1
72	141-2-210T-04900	Bracket, Drum	1
73	141-2-411T-03500	Plate Nut	2
74	141-2-445T-11801	Rubber Cushion, Lamp mtg.	2
75	141-2-446T-05500	Plastic Cushion, Indicator	1
76	141-2-329T-04400	Refractor	1
77	141-2-742T-11000	Lever, Switch, Large	1
78	141-2-742T-11500	Lever, Switch, Small	1
79	123-2-567R-10900	Pulley Shaft	1
80	141-2-661T-15000	Pulley	1
81	141-2-340T-00100	Rope, 500mm, Spread Dial	2
82	141-2-340T-00200	Rope, 1100mm, AM Dial	1
83	141-2-340T-00200	Rope, 400mm, AM Tuning	1
84	141-2-340T-00100	Rope, 920mm, SW Dial	1
85	141-2-340T-00200	Rope, 500mm, SW Tuning	1
86	141-2-340T-00100	Rope, 800mm, Antenna Adj	1
87	141-2-447T-43000	Cushion, Antenna Coil	2
88	141-2-421T-15700	Special Screw, Lever	1
89	141-2-457T-23300	Special Washer, Spread Dial	1
90	141-2-457T-23000	Special Washer, Pulley	1
91	141-2-457T-23900	Special Washer, Antenna Adj	1
92	141-2-453T-17100	Washer, Bracket Coil	3
93	141-2-465T-14800	Stopper, Dial Mechanism	1
94	123-2-310R-34700	Bracket EXT Antenna P.C.B.	1
	141-2-246T-25700	Sheet, 8x30mm, Pointer mtg. (Pointer 141-2-511T-10600)	1
	141-2-447T-35200	Cushion, Rubber, 10x15x8mm, Rod Antenna mtg.	1
	141-2-447T-13200	Cushion, Felt, 20x20x20mm Speaker mtg.	1
	141-2-447T-33100	Cushion, Rubber, 3.5φx6φx 3.5mm, Lamp mtg, Dial Mechanism	2
	141-2-447T-00800	Cushion, 5x15mm, DIN Socket mtg.	2
	141-2-447T-00800	Cushion 5x15mm, Lead mtg.	2
	141-2-447T-35200	Cushion, Rubber, 10x15x 8mm, Chassis mtg.	1
	141-2-447T-35801	Cushion, Rubber, 10x10x 1.5mm Gyro Antenna Core mtg.	1
	141-2-447T-01800	Cushion, 6φ, Chassis mtg.	3
	141-2-447T-03800	Cushion, 5x15mm, Lever mtg. (Lever 141-2-742T-11000)	2
	141-2-447T-13300	Cushion, Felt, 13x15x10mm, Antenna Adj. Antenna Core mtg.	1
	141-2-246T-26500	Sheet, Fiber, 5x10x1mm, P.C.B. mtg.	1
	141-2-246T-18301	Sheet, Fiber, 10x10x1mm, P.C.B. mtg	1
	141-2-246T-22801	Sheet, Fiber, 15x15x0.5mm, P.C.B. mtg.	1
	141-2-447T-31300	Cushion, Rubber, 10x10x3mm, FM Tuning Capacitor mtg.	1
	141-2-447T-36500	Cushion, Rubber, 5x8x30mm SW Tuning Capacitor mtg.	1
	141-2-453T-01900	Washer, Fiber, 3x6x0.5mm, Tuning Capacitor mtg.	4
Y01	BJNBS2R6+4+Z1	Pan Hd. Screw, 2.6x4mm	6
Y02	BJNBS2R6+6+Z1	Pan Hd. Screw, 2.6x6mm	1
Y03	BJNBS++3+4+Z1	Pan Hd. Screw, 3x4mm	2
Y04	BJNBS++3+6+Z1	Pan Hd. Screw, 3x6mm	1
Y05	BJNBS++3+8+Z1	Pad Hd. Screw, 3x8mm	1
Y06	BJX4S++3+8-Z1	Pan Screw, Washer Hd., 3x8mm	1
Y07	BJX4S++320-Z1	Pan Screw, Washer Hd., 3x20mm	1
Y08	BJN2S++3+6-Z1	Pan Hd. Tapping Screw, 3x6mm	1

Ref. No.	Part No.	Description	Q'ty
CABINET & CHASSIS			
Y09	BJN2S++3+8+Z1	Pan Hd. Tapping Screw, 3x8mm	4
Y10	BJN2S++310+Z1	Pan Hd. Tapping Screw, 3x10mm	12
Y11	BJN2S++312+Z1	Pan Hd. Tapping Screw, 3x12mm	4
Y12	BJN2S++314+Z1	Pan Hd. Tapping Screw, 3x14mm	2
Y13	BJN2S++316+ZK	Pan Hd. Tapping Screw, 3x16mm	1
Y14	BJN2S++340+ZR	Pan Hd. Tapping Screw, 3x40mm	1
Y15	BJN2S++345+ZR	Pan Hd. Tapping Screw, 3x45mm	2
Y16	BJN2S++350+ZK	Pan Hd. Tapping Screw, 3x50mm	6
Y17	BJX6S++3+8+Z1	Pan Tapping Washer Hd. 3x8mm	7
Y18	BJX6S++310+Z1	Pan Tapping Washer Hd. 3x10mm	2
Y19	BJX6S++312+Z1	Pan Tapping Washer Hd. 3x12mm	4
Y20	BJRBS2R6+8+Z1	Hexagon Hd. Bolt, 2.6x8mm	1
Y21	BJRBS2R614+Z1	Hexagon Hd. Bolt, 2.6x14mm	2
Y22	WJBWS++3Y05Z1	Waher, 3x8x0.5mm	2
Y23	WJBWS++4J08Z1	Washer, 4x10x0.8mm	4
Y24	WJBWS++5D08Z1	Washer, 5x12x0.8mm	1
Y25	WJBW++2R04Z1	Washer, 2mm	2
Y26	NJRIS++3+++Z1	Hexagon Nut, 3mm	1
Y27	NJRIS++4+++Z1	Hexagon Nut, 4mm	4
Y28	NJRIS++5+++Z1	Hexagon Nut, 5mm	2
Y29	NJRIS++9075Z1	Hexagon Nut, 9mm	1
Y30	NJRIS+10100Z1	Hexagon Nut, 10mm	3
Y31	BJX6S++314+Z1	Pan Tapping Washer Hd. 3x14mm	2
ELECTRICAL (P.C.B. ASSEMBLY)			
201	140-9-230T-55100	P.C.B. Assembly, Tuner	1
202	140-9-230T-73100	P.C.B. Assembly, EXT Antenna	1
203	140-9-230T-55301	P.C.B. Assembly, Tuning/ Control	1
204	140-9-230T-55800	P.C.B. Assembly, FM/AM LED	1
205	140-9-230T-55900	P.C.B. Assembly, SW1-5 LED	1
206	140-9-230T-76000	P.C.B. Assembly, Switch & Volume	1
207	140-9-230T-76100	P.C.B. Assembly, Power	1
208	140-9-230T-76200	P.C.B. Assembly, Source	1
209	140-9-230T-76300	P.C.B. Assembly, Speaker	1
ELECTRICAL (MISCELLANEOUS)			
210	4-612T-07700	Lamp Indicator, 12V 40mA White Lead	1
	4-612T-07771	Lamp, FM/AM Dial Mechanism, 12V 40mA, Red Lead	1
	4-612T-07772	Lamp, SW Dial Mechanism, 12V 40mA, Blue Lead	1
211	4-612T-07773	Lamp, Indicator, 12V 40mA, Black Lead	1
214	4-235T-33200	Socket, AC Input	1
215	4-236T-09900	Plug, AC Voltage Selector	1
216	141-2-143T-17311	Marking Plate, 120/200/220/240V	1
	141-2-382T-03100	Terminal, Socket	5
	4-235T-34600	Socket, Speaker & Lamp	4
			1
223	4-251T-74600	Power Transformer, T701	1
	4-243T-77900	Power Cord	1
			1
	141-2-336T-11600	Terminal Battery, (–)	2
	141-2-336T-07201	Terminal Battery, (+)	2
212	4-511T-08085	Meter, Indicator	1
213	4-151T-22900	Speaker, 12cm 4Ω 5W	1
227	4-230T-34700	P.C.B., Antenna	1
228	4-230T-34800	P.C.B., Lamp	1
224	4-257T-22400	Antenna Coil, MW/LW, L107	1
	141-2-383T-03900	Fuse holder	1
	4-234T-01900	Fuse	1
	4-234T-05100	Fuse	1

Ref. No.	Part No.	Description	Q'ty
ELECTRICAL (MISCELLANEOUS)			
225	4-231T-64000	Switch,Slider	1
	4-231T-64300	Switch, Rotary, FM/LW/MW	1
	4-540T-00200	Remote Wire, MB	1
	4-231T-64200	Switch, Slider	1
226	4-231T-64500	Switch, Rotary, FM/SW	1
	4-540T-00271	Remote Wire,	1
217	4-224T-08700	Tuning Capacitor, Spread	1
218	4-244T-02500	Rod Antenna, SW	1
219	4-244T-02700	Rod Antenna, FM	1
220	141-2-472T-01001	Lug, Antenna, Lamp	2
221	4-231T-64400	Switch, Rotary, SW	1
222	4-540T-00100	Remote Wire, SW	1
229	123-2-472R-00400	Lug, Rod Antenna	2
	4-235T-34600	Socket, VC4, Lamp	3
D109, 110, 111, 112, 113, 114	115, 116, 117,	LED, SLP131B, Band Indicator,	9
	4-237T-05800	Terminal	1
	4-235T-42500	Socket, LED 5P	1
	4-235T-42600	Socket, LED 6P	1
	4-235T-49100	Socket, Antenna 6P	1
	4-237T-07200	Terminal Boad, EXT Antenna	1
C236		Ceramic, 30pF, ±5%, 50V	1
	4-230T-34500	P.C.B. Led, FM/AM	1
	4-230T-34600	P.C.B., LED, SW1-5	1
ELECTRICAL (TUNER)			
L101	4-256R-11200	VHF Coil, FM Load	1
L102, 103	4-265R-13600	VHF Coil, FM Antenna	2
L104	4-265T-04530	VHF Coil, FM RF	1
L105	4-265R-05000	VHF Coil, 6½	1
L106	4-265T-05230	VHF Coil, FM OSC	1
L108	4-257T-22502	Antenna Coil Assembly, MB	1
L109	4-260T-00130	RF Coil, LW	1
L110	4-260T-00230	RF Coil, MW	1
L111	4-260T-00330	RF Coil, MB	1
L112	4-257T-22601	Antenna Coil Assembly, SW	1
L113	4-260T-00430	RF Coil, SW1	1
L114	4-260T-00530	RF Coil, SW2	1
L115	4-260T-00630	RF Coil, SW3	1
L116	4-260T-00730	RF Coil, SW4	1
L117	4-260T-00830	RF Coil, SW5	1
L120	4-258T-16530	Oscillator Coil, SW	1
L121	4-258T-15730	Oscillator Coil, LW	1
L122	4-258R-19431	Oscillator Coil, MW	1
L123	4-265R-11200	VHF Coil, 12½	1
L124	4-258T-15930	Oscillator Coil, MB	1
L125	4-258T-16030	Oscillator Coil, SW1	1
L126	4-258T-16130	Osciallator Coil, SW2	1
L127	4-258T-16230	Oscillator Coil, SW3	1
L128	4-258T-16330	Oscillator Coil, SW4	1
L129	4-258T-16430	Oscillator Coil, SW5	1
L130	4-253R-11160	Choke Coil, 1 H	1
L301	4-258T-16630	Oscillator Coil, BFO	1
T101	4-256T-20831	IF Transformer, 10.7MHz	1
T102	4-256R-19531	IF Transformer, 10.7MHz	1
T103	4-256R-15831	IF Transformer, 10.7MHz	1
T301	4-256R-19531	IF Transformer, 10.7MHz	1
T302	4-256R-15131	IF Transformer, 10.7MHz	1
T303	4-256R-02331	IF Trnasformer, 10.7MHz	1
T304	4-256R-80730	IF,Transformer, 455kHz	1
T305	4-256R-00231	IF Transformer, 455kHz	1
T306	4-256R-00231	IF Transformer, 455kHz	1
	4-230T-34100	P.C. Board, LW/MW/MB VC2 mtg.	1
	4-230T-34200	P.C. Board, FM VC1 mtg.	1
	4-230T-34300	P.C. Board, LW/MW/MB VC2 mtg.	1
	4-230T-34400	P.C. Board, FM VC1 mtg.	1
	4-224T-08500	Tuning Capacitor, FW VC1	1
	4-224T-08600	Tuning Capacitor, LW/MW/ MB VC2	1
	4-224T-10100	Tuning Capacitor, SW VC3	1
CT1, 2, 3	4-224R-11671	Trimmer, 8pF	3
CT4, 7	4-224R-02471	Trimmer, 8pFx2	2
CT5, 6, 9	4-224R-11671	Trimmer, 8pFx2	3
CT8	4-224R-11800	Trimmer, 16pFx2	1
CT11	4-224T-07600	Trimmer, 16pF	1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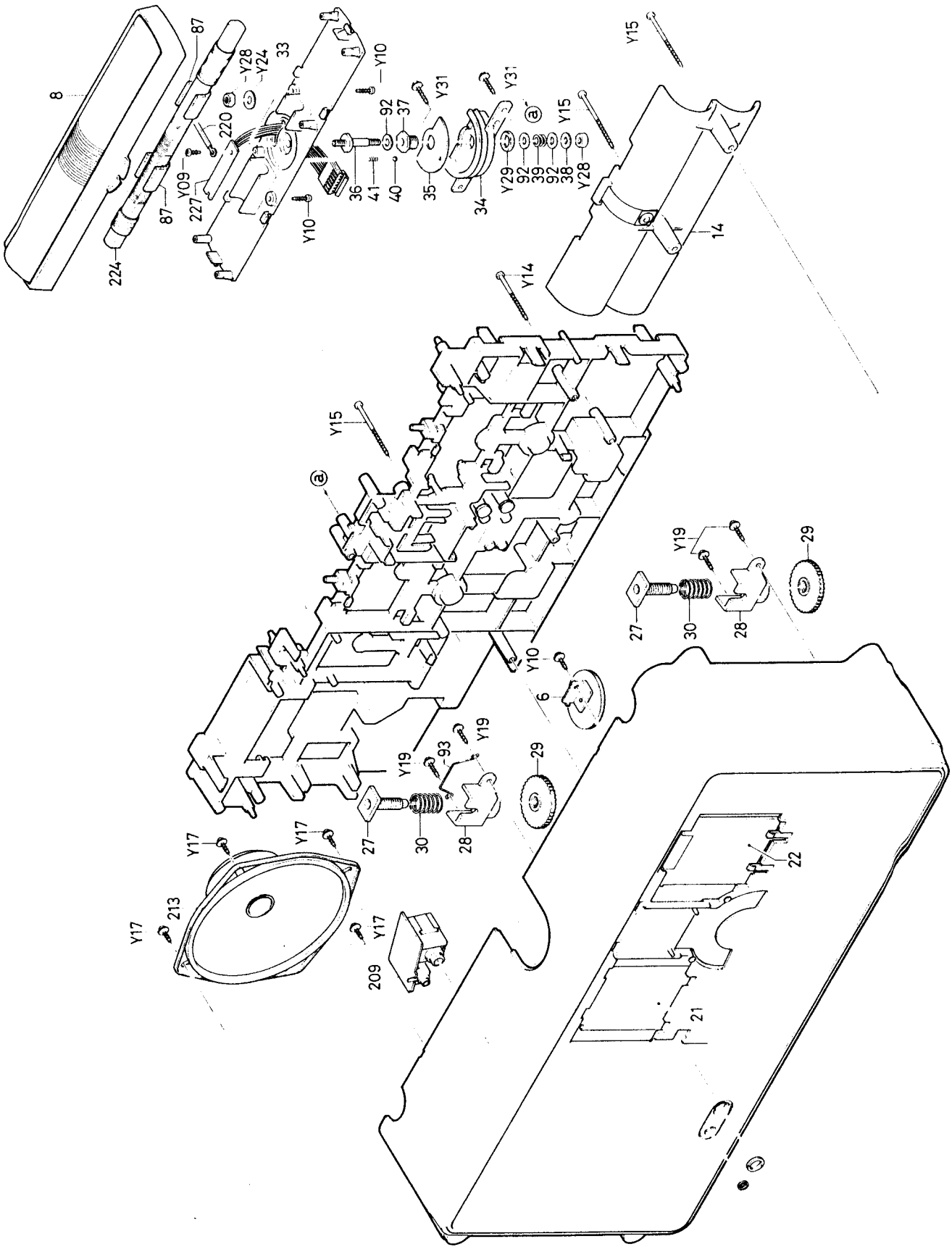
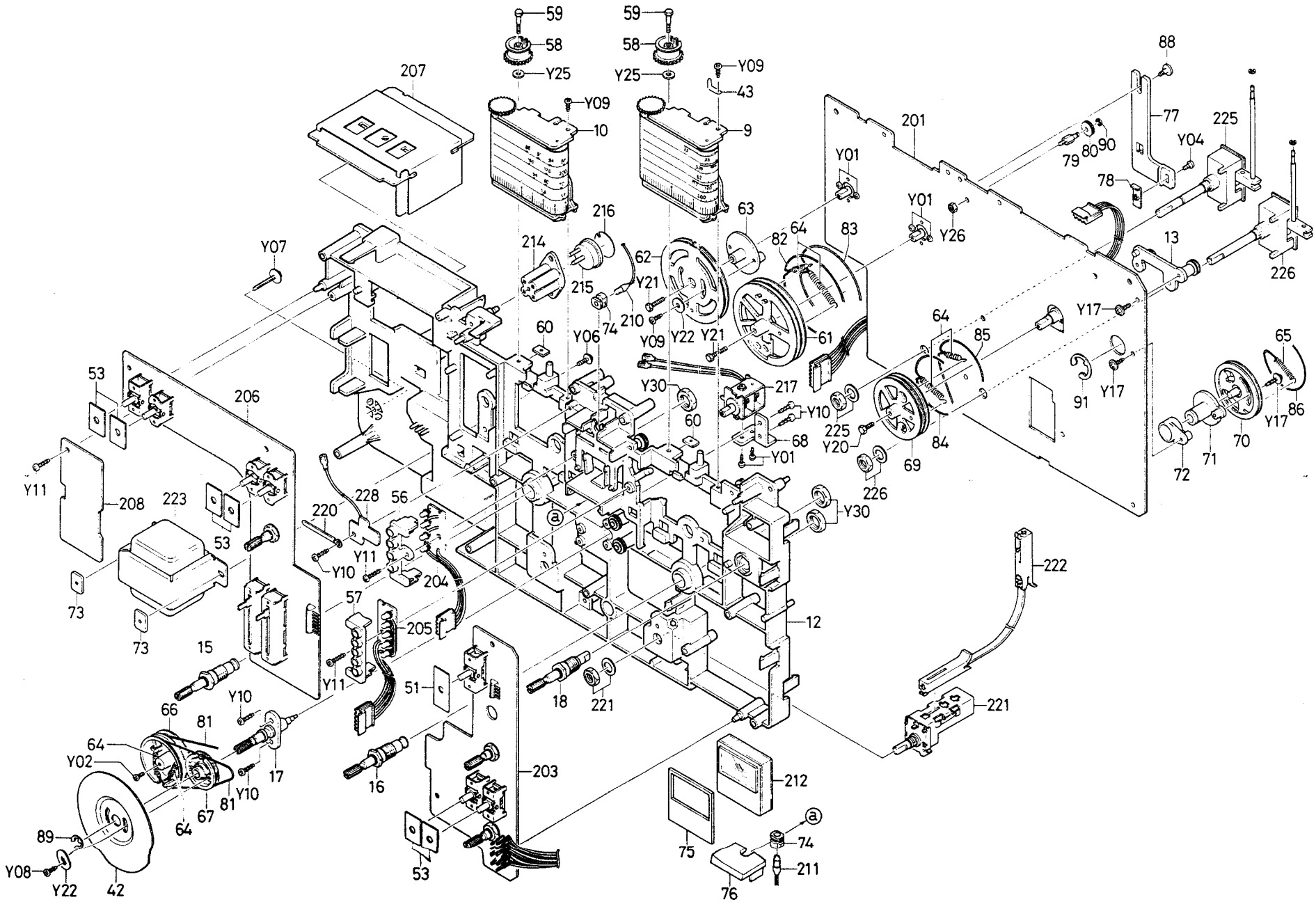
EXPLODED VIEW (CHASSIS)



Ref. No.	Part No.	Description	Q'ty
ELECTRICAL (TUNER)			
CT12, 13, 14	4-224R-11671	Trimmer, 8pF	3
CT15, 16	4-224R-11800	Trimmer, 16pF	2
CT17	4-224T-07300	Trimmer, 30pF	1
CT19	4-224T-07300	Trimmer, 30pF	1
B101, 102, 103, 104, 105, 106	123-2-471R-10400	Bead Core	6
CF101, 102	4-256T-80400 4-256T-80472	IF Filter, 10.7MHz	3
	4-236T-10200	Plug, EXT Antenna, 3P	1
	4-236T-10276	Plug, Audio, 9P, J4	1
	4-236T-10273	Plug, LED, Antenna, 6P, J2, 3	2
	4-236T-10272	Plug, LED, 5P, J1	1
	4-235T-49300	Socket, Control, 4P, U5	1
	4-235T-49400	Socket, Audio, 7P, U6	1
R328	4-222T-39574	Variable Resistor, Meter, 5KΩ	1
R328	4-222T-39575	Variable Resistor, Meter, 10KΩ	1
S4	4-231T-64100	Switch, SW1	1
	4-237T-01000	Terminal, Wrapping	53
225	4-231T-64001	Switch Assembly, FM/LW MW/MB	1
226	4-231T-64201	Switch Assembly, FM/SW	1
S1	4-231T-57500	Slide Switch	1
	141-2-471T-00100	Bead Core	1
	141-2-322T-36300	Shield Plate, FM IF	1
	141-2-322T-36400	Shield Plate, SW 1st MIX	1
	141-2-322T-36500	Shield Plate, SW 2nd OSC	1
	141-2-322T-36600	Shield Plate, SW 1st OSC	1
	141-2-322T-36700	Shield Plate, FM OSC	1
	141-2-322T-36800	Shield Plate, FM MIX	1
	141-2-852T-46700	Spring Wire	1
Q101, 105 106		FET, 2SK49H1	3
Q102		Transistor, 2SC930D	1
Q103, 108, 111, 112		Transistor, 2SC930D Converter	4
Q104		Transistor, 2SC930E IF	1
Q107		FET, 3SK59GR	1
Q109		FET, 2SK49H1	1
Q110		FET, 2SK49F2	1
Q301, 303, 304		Transistor, 2SC930D IF	3
Q302		Transistor, 2SC930E IF	1
Q305		Transistor, 2SC930D IF	1
Q306		Transistor, 2SC930E Converter	1
Q308		Transistor, 2SD545F	1
D101, 301		Diode, DS442	2
D102, 303, 304, 305, 306		Diode, 1S188FM	5
D103, 313		Diode, 1S553	2
D104, 105, 106, 107, 108, 302, 308		Diode, 1S188AM	7
D118		Diode, DS442	1
D309, 310, 311, 312		Diode, 1S188AM	4
D314		Diode, YZ060	1
D315		Diode, YZ047	1
D307		Diode, 1S188FM	1
R159		Carbon, 5.6Ω, ±10%, 1/4W	1
R326		Carbon, 15Ω, ±10%, 1/4W	1
R128, 130, 344, 345		Carbon, 33Ω, ±10%, 1/4W	4
R117		Carbon, 56Ω, ±10%, 1/4W	1
R102, 105, 106, 122, 138, 135, 305, 319, 359		Carbon, 100Ω, ±10%, 1/4W	9
R125		Carbon, 150Ω, ±10%, 1/4W	1

	Part No.	Description	Q'ty
ELECTRICAL (TUNER)			
R109, 131, 132, 133, 134		Carbon, 220Ω, ±10%, 1/4W	5
R307, 323		Carbon, 270Ω, ±10%, 1/4W	2
R161, 306, 309, 324		Carbon, 330Ω, ±10%, 1/4W	4
R115, 325		Carbon, 560Ω, ±10%, 1/4W	2
R149, 152, 162		Carbon, 680Ω, ±10%, 1/2W	3
R108, 111, 153, 308, 316, 317, 322, 329, 331, 342		Carbon, 1KΩ, ±10%, 1/4W	10
R311		Carbon, 1.2KΩ, ±10%, 1/4W	1
R124, 126, 341		Carbon, 1.5KΩ, ±10%, 1/4W	3
R127		Carbon, 1.8KΩ, ±10%, 1/4W	1
R104, 154, 158, 302, 315, 327		Carbon, 2.2KΩ, ±10%, 1/4W	6
R334, 343		Carbon, 3.3KΩ, ±10%, 1/4W	2
R358		Carbon, 470Ω, ±10%, 1/4W	1
R121, 345		Carbon, 3.9KΩ, ±10%, 1/4W	2
R147, 148, 332, 333, 304		Carbon, 5.6KΩ, ±10%, 1/4W	5
R352		Carbon, 6.8KΩ, ±10%, 1/4W	1
R313, 340		Carbon, 10KΩ, ±10%, 1/4W	2
R119		Carbon, 15KΩ, ±10%, 1/4W	1
R118		Carbon, 39KΩ, ±10%, 1/4W	1
R116		Carbon, 56KΩ, ±10%, 1/4W	1
R351		Carbon, 82KΩ, ±10%, 1/4W	1
R113, 335, 303		Carbon, 100KΩ, ±10%, 1/4W	3
R157, 314, 318, 353		Carbon, 220KΩ, ±10%, 1/4W	4
R145		Carbon, 270KΩ, ±10%, 1/4W	1
R301		Carbon, 330KΩ, ±10%, 1/4W	1
R103, 107		Carbon, 390KΩ, ±10%, 1/4W	2
R101, 112 114, 119, 136, 151		Carbon, 470KΩ, ±10%, 1/4W	6
R129		Carbon, 2.7KΩ, ±10%, 1/4W	1
R165		Carbon, 8.2KΩ, ±10%, 1/4W	1
R160		Carbon, 330KΩ, ±10%, 1/4W	1
R312		Carbon, 47KΩ, ±10%, 1/4W	1
R339		Carbon, 180KΩ, ±10%, 1/4W	1
R166		Carbon, 18KΩ, ±10%, 1/4W	1
R372		Carbon, 22Ω, ±10%, 1/4W	1
R137		Carbon, 100Ω, ±10%, 1/4W	1
R139		Carbon, 1KΩ, ±10%, 1/4W	1
R146		Carbon, 1.8KΩ, ±10%, 1/4W	1
R144		Carbon, 2.2KΩ, ±10%, 1/4W	1
R141		Carbon, 10KΩ, ±10%, 1/4W	1
R142		Carbon, 22KΩ, ±10%, 1/4W	1
R155		Carbon, 390KΩ, ±10%, 1/4W	1
R143		Carbon, 470KΩ, 10%, 1/4W	1
R156		Carbon, 470Ω, ±10%, 1/4W	1
R371		Carbon, 330Ω, ±10%, 1/2W Solid, 330Ω, ±10%, 1/2W	1
R361		Carbon, 3900Ω, ±10%, 1/2W Solid, 3900Ω, ±10%, 1/2W	1
R369		Carbon, 100KΩ, ±10%, 1/2W Solid, 100KΩ, ±10%, 1/4W	1
R167		Carbon, 3.3KΩ, ±10%, 1/4W	1
C315, 317		Ceramic, 1pF, ±0.25pF, 50V	2
C111		Ceramic, 2pF, ±0.25pF, 50V	1
C128, 135		Ceramic, 3pF, ±0.25pF, 50V	2
C154		Ceramic, 5pF, ±10%, 50V	1
C109, 122		Ceramic, 6pF, ±10%, 50V	2
C125		Ceramic, 7pF, ±10%, 50V	1
C103, 108 121, 138		Ceramic, 8pF, ±10%, 50V	4
C101, 102		Ceramic, 10pF, ±10%, 50V	2
C143, 152		Ceramic, 15pF, ±10%, 50V	2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Ref. No.	Part No.	Description	Q'ty
ELECTRICAL (TUNER)			
C112, 132		Ceramic, 24pF, ±10%, 50V	2
C159, 187, 165		Ceramic, 30pF, ±10%, 50V	3
C343		Ceramic, 36pF, ±10%, 50V	1
C319		Ceramic, 220pF, ±10%, 50V	1
C148		Ceramic, 12pF, ±10%, 50V	1
C144, 145, 186, 153, 167		Ceramic, 100pF, ±5%, 50V	5
C102, 314, 335, 339, 146		Ceramic, 100pF, ±20%, 50V	5
C131, 137		Ceramic, 130pF, ±5%, 50V	2
C158, 188, 195, 378		Ceramic, 220pF, ±20%, 50V	4
C151		Ceramic, 330μF, ±20%, 50V	1
C113, 147, 196		Ceramic, 470pF, ±20%, 50V	3
C139		Ceramic, 0.001μF, +80−20%, 50V	1
C104, 105, 106, 107		Ceramic, 0.01μF, +80 −20%, 50V	4
C149		Ceramic, 100pF, ±20%, 50V	1
C114, 115, 116, 117, 119, 123, 156, 199, 311, 313, 337, 354, 150		Ceramic, 0.01μF, +80 −20%, 50V	13
C162, 163, 168, 191, 194, 197, 301, 302, 305, 306, 308, 316, 318, 326, 336, 338, 356, 357, 358, 361, 360, 118, 126, 129, 157		Ceramic, 0.022μF, +80 −20%, 50V	25
C142, 164, 322, 324		Ceramic, 0.039μF, +80 −20%, 50V	4
C221, 222 223, 224, 225		Ceramic, 0.01μF, +80 −20%, 50V	5
C226, 227, 228, 229, 230		Ceramic, 0.022μF, +80 −20%, 50V	5
C205		Ceramic, 3pF, ±0.25pF, 50V	1
C172		Ceramic, 15pF, ±10%, 50V	1
C352		Ceramic, 10pF, ±10%, 50V	1
C185		Ceramic, 18pF, ±10%, 50V	1
C124		Ceramic, 20pF, ±10%, 50V	1
C182		Ceramic, 15pF, ±10%, 50V	1
C317, 353		Ceramic, 30pF, ±5%, 50V	2
C200		Ceramic, 33pF, ±5%, 50V	1
C178		Ceramic, 39pF, ±5%, 50V	1
C175		Ceramic, 47pF, ±5%, 50V	1
C184		Ceramic, 56pF, ±5%, 50V	1
C198		Ceramic, 33pF, ±5%, 50V	1
C181		Ceramic, 100pF, ±5%, 50V	1
C208		Ceramic, 75pF, ±5%, 50V	1
C209		Ceramic, 24pF, ±5%, 50V	1
C177		Ceramic, 100pF, ±5%, 50V	1
C140		Ceramic, 10pF, ±10%, 50V	1
C214		Ceramic, 30pF, ±10%, 50V	1
C203		Ceramic, 47pF, ±5%, 50V	1
C235		Ceramic, 47pF, ±10%, 50V	1
C174		Ceramic, 24pF, ±5%, 50V	1
C170		Ceramic, 15pF, ±5%, 50V	1
C171		Ceramic, 75pF, ±5%, 50V	1
C183		Ceramic, 470pF, ±10%, 50V	1
C169, 179, 189, 307, 328, 329, 331, 350		Mylar, 0.001μF, ±20%, 50V	8

Ref. No.	Part No.	Description	Q'ty
ELECTRICAL (TUNER)			
C176		Mylar, 0.0022μF, ±20%, 50V	1
C173, 211		Mylar, 0.0033μF, ±20%, 50V	2
C161, 381		Mylar, 0.0047μF, ±20%, 50V	2
C316		Mylar, 0.0056μF, ±20%, 50V	1
C133, 134, 156, 166, 193, 201, 206, 341, 355, 190		Mylar, 0.01μF, ±20%, 50V	10
C204, 304, 312, 342		Mylar, 0.022μF, ±20%, 50V	4
C120, 321, 303		Mylar, 0.039μF, ±20%, 50V	3
C344		Mylar, 0.068μF, ±20%, 50V	1
C202		Styrol, 150pF, ±5%, 135V	1
C207		Styrol, 330pF, ±5%, 135V	1
C127		Electrolytic, 1μF, 10V	1
C323, 327		Electrolytic, 4.7μF, 10V	2
C309, 325		Electrolytic, 10μF, 10V	2
C302		Electrolytic, 470μF, 6.3V	1
C359		Electrolytic, 100μF, 6.3V	1
ELECTRICAL (EXT ANTENNA)			
BPF101	4-253T-10000	Filter	1
	4-237T-01000	Terminal, Wrapping	5
	4-235T-34600	Socket, Antenna	3
	4-253T-49800	Socket, EXT Antenna 3P	1
L131, 132	4-265R-12700	VHF Coil	2
	4-257R-14700	Antenna Coil	1
	4-235T-37100	Socket	1
	4-235T-37200	Socket	1
C141		Ceramic, 15pF, ±10%, 50V	1
C212		Ceramic, 10pF, ±10%, 50V	1
C213		Ceramic, 47pF, ±10%, 50V	1
ELECTRICAL (CONTROL)			
L302	4-253R-10310	Choke Coil	1
L303	4-255R-10700	Choke Coil	1
BPF301	4-253T-10000	Filter	1
CF302, 303	4-256T-80871	IF Filter, 455KHz	2
R354	4-222T-59072	Variable Resistor, 50KΩ, D DX/LOCAL	1
R357	4-222T-59071	Variable Resistor, 50KΩ, B	1
R356	4-222T-39577	Variable Resistor, 50KΩ,	1
S6, 7	4-231T-47600	Slide Switch, Band	2
S8	4-231T-47500	Slide Switch, X-TAL Marker	1
	4-237T-01000	Terminal, Wrapping	9
	4-236T-10571	Plug, 4P	1
	4-235T-49200	Socket, 9P	1
	4-225T-01400	Crystal, Marker, 4MHz	1
IC301		Integrated Circuit, M54815L	1
Q303		Transistor, 2SC536F	1
R347		Carbon, 33Ω, ±10%, 1/4W	1
R362		Carbon, 330Ω, ±10%, 1/4W	1
R336		Carbon, 390Ω, ±10%, 1/4W	1
R346, 366		Carbon, 1KΩ, ±10%, 1/4W	2
R363, 365		Carbon, 2.2KΩ, ±10%, 1/4W	2
R373		Carbon, 2.7KΩ, ±10%, 1/4W	1
R337, 370, 375		Carbon, 3.9KΩ, ±10%, 1/4W	3
R367		Carbon, 10KΩ, ±10%, 1/4W	1
R368, 376		Carbon, 15KΩ, ±10%, 1/4W	2
R364		Carbon, 12KΩ, ±10%, 1/4W	1
R355		Carbon, 56KΩ, ±10%, 1/4W	1
R338		Carbon, 1.5KΩ, ±10%, 1/4W	1
R348		Carbon, 1.5MΩ, ±10%, 1/4W	1
C340, 373, 371, 368, 369		Ceramic, 0.01μF, +80 −20%, 50V	5
C367		Ceramic, 150pF, ±10%, 50V	1
C364		Ceramic, 47pF, ±10%, 50V	1
C334		Ceramic, 100pF, ±10%, 50V	1
C333		Ceramic, 27pF, ±10%, 50V	1
C366, 372		Ceramic, 220pF, ±10%, 50V	1
C370		Ceramic, 130pF, ±10%, 50V	1

Ref. No.	Part No.	Description	Q'ty
ELECTRICAL (CONTROL)			
C374		Ceramic, 30pF, ±10%, 50V	1
C380		Ceramic, 1pF, ±0.25pF, 50V	1
C348		Mylar, 0.0047μF, ±20%, 50V	1
C346		Mylar, 0.068μF, ±20%, 50V	1
C351		Mylar, 0.033μF, ±20%, 50V	1
C349		Mylar, 0.01μF, ±20%, 50V	1
C375		Mylar, 0.039μF, +20%, 50V	1
C381		Electrolytic, 10μF, 6.3V	1
ELECTRICAL (SWITCH & VOLUME)			
S704	4-231T-68800	Switch, Power	1
S705	4-231T-50072	Switch, Light	1
S706, 707	4-231T-47800	Switch, AFC, Meter	2
VR701, 702	4-222T-45000	Variable Resistro, 50KΩ, A Bass, Treble	2
VR703	4-222T-59073	Variable Resistor, 50KΩ, D	1
	4-237T-00100	Terminal	2
	4-236T-10574	Plug, 7P	1
Q702,701		Transistor 2SC536G	2
R714		Carbon, 22Ω, ±10%, 1/4W	1
R709		Carbon, 680Ω, ±10%, 1/4W	1
R715, 725		Carbon, 1.5KΩ, ±10%, 1/4W	2
R724		Carbon, 2.7KΩ, ±10%, 1/4W	1
R708, 711		Carbon, 4.7KΩ, ±10%, 1/4W	2
R717		Carbon, 82KΩ, ±10%, 1/4W	1
R713,705		Carbon, 680KΩ, ±10%, 1/4W	2
R707		Carbon, 100KΩ, ±10%, 1/4W	1
C706		Ceramic, 220pF, ±10%, 50V	1
C731		Ceramic, 330pF, ±10%, 50V	1
C730		Ceramic, 680pF, ±10%, 50V	1
C708		Mylar, 0.0022μF, ±20%, 50V	1
C732		Mylar, 0.022μF, ±20%, 50V	1
C709		Mylar, 0.033μF, ±20%, 50V	1
C707		Electrolytic, 0.15μF, 16V	1
C710		Electrolytic, 0.33μF, 16V	1
C729,703		Electrolytic, 0.1μF, 16V	2
C728		Electrolytic, 1μF, 16V	1
C705		Electrolytic, 100μF, 10V	1
C702		Electrolytic, 2.2μF,16 V	1
ELECTRICAL (POWER)			
IC/01		Integrated Circuit, LA4420	1
	4-235T-32900	Socket, Phono/Radio	1
S708	4-231T-42100 or 4-231T-42171	Switch, Phono/Radio	1
	4-237T-00100	Terminal	2
	141-2-368T-11600	Heat Sink	1
	141-2-322T-40400	Shield Plate	1
R704		Carbon, 100Ω, ±10%, 1/4W	1
R726		Carbon, 120Ω, ±10%, 1/2W	1
R720		Carbon, 330Ω, ±10%, 1/4W	1
R703		Carbon,2.2MΩ, ±10%, 1/4W	1
R701, 702		Carbon, 330KΩ, ±10%, 1/4W	2
C714		Ceramic, 470pF, ±10%, 50V	1
C712		Ceramic, 0.001μF, ±10%, 50V	1
C715		Mylar, 0.022μF, ±20%, 50V	1
C720		Mylar, 0.15μF, ±20%, 50V	1
C701, 711		Electrolytic, 1μF, 16V	2
C718		Electrolytic, 4.7μF, 16V or 25V	1
C716		Electrolytic, 47μF, 16V	1
C713		Electrolytic, 100μF, 10V	1
C721		Electrolytic, 1000μF, 10V	1
C719		Electrolytic, 10μF, 16V	1
ELECTRICAL (SOURCE)			
	4-235T-35900	Socket, AC INPUT	1
	141-2-135T-44900	Cover, AC INPUT	1
	4-237T-00100	Terminal	4
	4-237T-05800	Terminal Lamp	1
	4-252T-06900 or 4-252T-04700	Choke Coil, 100μH	1
D701		Diode, DS132A	1
D702		Diode, DS131A	1
R718, 719		Carbon, 27Ω, ±10%, 1/2W	2

Ref. No.	Part No.	Description	Q'ty
ELECTRICAL (SOURCE)			
C723, 724, 725, 726		Ceramic, 0.022μF, +80 −20%, 50V	4
C733		Electrolytic, 330μF, 25V	1
C722		Electrolytic, 2200pF, 25V	1
ELECTRICAL (SPEAKER)			
	4-235T-31971	Socket, Headphone	1
	4-235T-05300	Socket, EXT Speaker	1
R721		Carbon, 100Ω, ±10%, 1/2W	1

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